

working at the magnolia, in
which I have taken up Rubiaceae.

Peck has such a charming
collection of Illinois plants.

I hope to take my vacation
early this year & go to Acapulco
with one of the Irish-week is
long for a month - & so get also
the quiet - Allerton for work

here. When I shall have little
to do in the Gardens. - & before the
R. S. will claim my time. There
is much to be done there in the way
of reform & business procedures
&c. & the new apartments will
require a good deal of consideration
in the matter of the Library &c.

We are all well & in state sev-
E. Peck
W. H. Peck

June 12/73.

Dear Mr. Peck

Thank you very much for
the plants coming to Herb. of which
I have taken place. As usual, I
have nothing whatever to do with
the application for Review of
Gen. Plant. - I should have told
you if I had. - Certainly I am glad
if it ^{is} _{as} it appears you have
not a good word to spare for the
unlucky Rubiaceae! (Quite novel
it was sent to you for correction
of prep.) - Well, whatever may
be said for the General work, I did
think I had corrected more
thoroughly, & ^{taken} ~~but~~ more general ^{with} ~~into~~

their wrong places & put them
into their (approximate) ^{ones,} right ^{than}
It has fallen to mark
Bretanets to us: a single oval
of any size in late years - However
no one is a judge of his own
performance, & I dare say I exaggerate
the difficulty of the task, though I
cannot well overstate the years I
spent in depicting & redrawing
what are really little better than
bits of coal to see at the insides
of. - I shall reserve my defence
(if I can defend myself) till the
article appears.

We have just returned from
a little tour in the left bank of
the Rhine, the left country; which
we (wife & I) went with Lubbock &

Mr & Mrs Genth. - Duff (Under-Lay in
India) - we were only 10 days
away, & saw Luxembourg & Treves
for the first time.

I have written to Longman to
send me a copy of *Deuism* &
Maouti.

I am getting in with Flora of
British India, but the perpetrating
work which Masters works ^{is done} has
thrown me out terribly & gives
Dress & me a deal of very
unpleasant work - Helgevalter
break down is disastrous: no
less than Thomson's.

Bentham is at Mimosa for
Masters' work. A pleasant-
young man of the name of
Michele of Geneva is here &

Wife & boys at Eastbourne. -

I & wife alone here - Harcourt
visiting in Gloucestershire.

Edw has got through a splendid
Bot course to the School teachers
at S. Kensington. An hour's lecture
in the morning is followed by
each student spending 6 hours
with plants, pen, ink, paper,
pencil, color box, microscope
& depicting ^{no books} ~~in~~ ^{the} ~~the~~ ^{the}
subject of the lecture: & in
6 weeks they have seen *Aranea*,
Eleuthera, *Galler-trees*, *Eucalypt*,
Nass, *Fern* *impugnata*, & *Fungus*,
Musca, *Chama*, *Chama*,
Perniculus, - besides general
Morphology - & *Anatomy* etc
Morphology. Much is continued
in the greatest move in *Noting*
Working even in *described*

Aug 8/75.

Dear Gray

Sham just returned
from a very pleasant trip into
the Aunseya, Cantal, Mont-
Sore & Ardèche country, with-
Hursty, who I left at Baden
Baden last week very much
improved in health - he is
a capital companion & we
were as jolly as *Widdys* at
the cruise - & as idle - though
we did toil a bit at the
wonderful *Geology*.

Prof Crepon is here under
Sir W. Thomson; he was

John sent me some letters
last... Owen is at Jersey.
- Newman has worked at
Minors for Mrs. Mayle.
My bronchitis was no great
attack, but at my age! The
pneumonia became a pneumonia.
I shook it off a very little time
in the hospital with Lubbock &
Grand staff - but I shall catch
it again next spring without
a doubt.

Thank a thousand my dear
friend a very cordial welcome to
N. R. I. I shall do my duty
with my might - but I do feel

growing oppressed with the
project. Thank God for such
times retire on approach with
me. How glad I am that
you have Salvator's paper. -
We have just got the Hunt
as a gift, the finest British
collection of the kind.

I have seen Curran's answer
to the Bill is Chancy. He really
should be ashamed of himself.
Having positively no defence; &
his pretensions of having done
much to prove he is absolutely
false. I fear he is a bad fellow
I am very very sorry about it -
No such bad thing for
Notary.

I wish you respect for James
& Rob.

Aug 8 1872

To the different orders to
Baker's help & recommendation
has been an enormous aid
to the establishment

You are very benig & good to
have noticed Dr & Mavis - co
ming & notice & I'll have -
I can't for the life of me
remember when I got the
notice of Sarcocornia rubra
(alias purpurea)

Baker has sent also the
order of Glaucobrya that he
has or will have to send.

I hope that the Fray of

Young Rep with please
you.

I am going to make a
cold Porney this autumn,
& shall be glad of any
of your few roots common
+ name. I particularly want
American ^{roots} specimens of
the European species.

I see that more Survey
Natural Reports ^{are} ~~are~~
coming out to comment
i. geological & books
us - it is really too bad.

I am heartily glad to hear
of Sullivan's' Supplement.
Bosby writes: good health
& spirit - for Switzerland.
The I. Kuning's Museum
is the part under the
R. M. Trustees.!! Really
the Glaciation South is
simply mad. I
suspect that Kees had
a very narrow escape
indeed.

Very aff,
J. Hooker.

work like I have my job.
Labored through the rocks
then be at Woodbury &
Lactarium with the children

I have just received a
superb set of Yellowstone river
photographs from Mr. Hayden.
I do hope I may get them
next year.

Thanks for yours of Aug 24.
The Hydrocotyle seeds, I
shall be most glad of
the plants. Our herbaceous
ground is improving fast.
I have been such work
to get proper soil adjusted

Amund

Aug 27/93

Dear Mary

We have with a
fragment of Gastroparia
harpagocera - Herb. Keck &
Benth. & Cary - Can you send
me some in letter? etc.
I called in the Herb. is
Vitis idaea, sure & certain.

I am grievously perplexed
with Vaccinium. I can't
put Cystocarpus with
byrrhoea - which is a
small natural little group
[of 2.] - and am not a

little suspicion of *Eosinopneia*
though I have examined many
of the species & found the
fruit character to hold -
Still I find Vanner that
about have thickened scales
to the divided longitudinal cells
& the number of scales in the
cells is a sharp distinction
However I am content
to let well alone there.
The angelic Miss Sullivan
has not come yet - I
shall be very glad to see
the white hair - You

must never forget to give
me letters of introduction
- it is getting a sort of sight
of your dear self.

I am very busy, Dyer the
housekeeper having deserted
me at my Dyest used -
i.e. the whole time I was
at home he was staying
at J. K. Luntzies & not
able even to open my letters
& on my return he was
unwilling to & had to
take his holiday by a
excursion at the Volunteer
Camp at Dartmouth, so
I had never & so to

Aug 27 1873

who are practicing at Dartmouth.
Your actual election as F.M.
with intercourse till November.

My father

J. B. Hooker

Manchester is going to America
to investigate Phylogeny etc.
I have advised him to
make straight for you.
Guelah is in Switzerland.

All serene at New, but we
are always striving for
better Elitism. - Variation I am
just now ~~thinking~~ ^{thinking} of
John & the present Ministerial
charges. That wonderful man
Madison asked me to breakfast
yesterday - There were only 4 of
us & for 2 hours he kept us
fascinated with most fascinating manner
& conversation on the manner
of subjects except politics!
After before it was even
announced that he had
indicated this wretched
juggle of Ministerial charges.
That appeared in the ^{papers} today.
That ~~same~~ ^{same} ~~evening~~ ^{evening} he dined with the
Medical Association, & I am
told fascinated them! Much
as I reprobate his administration
partly I cannot but regard him

a a marvellous man, so
simple, modest, kindly
& ardent.

I am above all
in forgiving. - for my name
should be poison to him.
I do suppose that there changes
on the beginning of the end, & a
preparation for resignation:
he did say to us fraternally but
much he longed for complete
rest. He was a pretty little
breakfast, in the corner of the
drawing-room at a little
round table (with Palmer,
Richmond, Nass & myself)

which I shall never forget, ^{with intellectual enjoyment} ~~which~~
as a pointed with the queerest

shuffling of cards & shuffling
a cabinet. That England has
perhaps seen seen - only fancy
G. holding the Chancellorship

The N. H. & himself, & fancy
giving some the Home Office
& some taking it!!! - I bring
back myself, who all the world
knows is used up for business.

Now my sister Lamber
indeed is in a new way
for (Myself) St. George - I
and at High Western Notes
she has been better all the
winter, but bad after the
Spring.

I am scribbling on at a pile
of letters & official documents
which increase on my hands.
I wish I could
show as showing confidence
on the part of Govt & News.
I am off for his holiday
as far as I am in the best of health

Sept 1st 73.

Dear Gray

I am puzzled by your
Pleuriscus here - We have
but one specimen (Plant.
Wegm 357 Stem Rule). which
differs from your character in
from Amer. Acad. in

Filamenta pilosa

Anthracis *Alborea*, 1- lobules,
magnae.

Ovarium *apice obtusum*, *hispi-*
culum, 4- lobules.

Flower *capitata*.

It resembles *Hemitoma* or
figuralis *Newberry* very
much - except in the shape of

The author, in the *Aspidochelone*
voyage, the *praenatalis*, &
the *Sepala* & *putata*, which
latter ^{altogether agree with}
Mercurius ^{description} ~~here~~, except that
the former are sometimes
3-merous & the *Sepala* ~~succata~~ ^{at} ~~here~~ }

I send a flower for
confirmation. I find an
obscure dark, & a very
pale one in *Allostrope*

I have neither *Schweinitzia*
nor *Newberryi* - may send
me scraps as soon as
convenient.

We have no *Mariposa*
^{for coll. Maudslayi}
Shumneri, but a ticket, you
send to replace "substitute
for 4997" by you.

My very sincere wife
dears
Yours &c

J. B. Hooker.

Agauria. Placenta basilar, seeds
filiform beak (apricotish)

+ Agauria. Placenta median in
axis of thence angle of cells
= seeds scabrous. (Brazil)

Convolvulus (Jolefobi my)

Euphorbia

Cephaelis

Cephaelis

Calyptanthus.

I have been much very acceptable
species --

Thanks for yours of Sept 5 just
received.

Prof. Wilson should be known
to me - I forgot who introduced
him - but he has been after
him & I last week gave him
a bag of (120) of of seeds
for himself & another box of
Rhodod. for Sargent.

Sept 16/99

Dear Sir

How do you find that
Peucedanum cap is valuable?
in fact it is so minute & much
that it may be any thing - the
segments are ~~multicellular~~ ^{multicellular} ~~multicellular~~ ^{multicellular}
~~that~~ (as in many other Andromeda see)
I find 2 bracteoles, with distinct
Andromeda arbutifolia has a good
petioles in Cotyledon, & leaves,
sometimes acuminata, very
= what do you make of Japanea
angustifolia, Jap. Bot. VII, 610.
is it a minute? Chapman
makes it a var. of 35.
Chapman of capitata in Herb.
Book. I find none like it -
Our only specimen is cult. for
Herb. Socy
In with ripe fruits of Japanea

Another not figured
"Andromeda" near base

I do not find that rig marks about
 the 5-valved outer & 10-valved
^{inner} ~~outer~~ ^{inner} layer of the valves. -- As
 they begin, they break up the
~~articles~~ ^{valves} of course. Longitudinally &
 latitudinally. concentrically too.

The seeds are 2-seriate, not
 common characters amongst - *Andromedaceae*
 The seeds are very curious with a
 huge protruding of taste on one
 side, covering half the seed as
Gortyna figures it.



Will you would send me
 a specimen of leaf & flower of
A. Mariana, my specimens,
 if right, have subcampanulate

corolla (like speciosa) &
 no hairs of hairs at apex X
 of filament in back of
 anther. want characters
 do not agree with *veris* & *Pieris*;
 it is a very different ^{looking} *Pieris*
 from *A. nitida*.

I must either turn all
 the ^{lycoides} *Andromedaceae* into one
 genus, or make many. -- &
 Bentham approves of my *Kuhnia*
Pieris, *Am. Am. Japan India*
Jenobia - Cor. campanulate &
 4 aristate anthers (100);
Oxydendron anthers with ribs (100);
Leucothoe - membranous capsule
 N. Am.
Lycopodium Placenta at tip of cell
 seed filiform, pendulous.
 Capsule valves with very thick
 edges.

I am introducing to you my friends
Mr & Mrs Rothery, who
live over at
Fishing,

Anna - a most interesting
nice fellow, was in Greece as
I forget what, collecting there & is
fond of plants. Lawrence Smith-
worth & sent your letter last
week, I invited him & wife to
meet Rothery at dinner, but
he is broke ill & could not come.
He is off somewhere & says that
he will call in. Leaving England.

I am so glad to hear of the
doctors & H. N. are going on.

As soon as Walter returns I
shall send to Esq's plants.

We are off to Bradford tomorrow
for the Association - I go
with the Greenoughs & as

a chief crop. I am quite sick of

These things - & shall have
enough of it with N. S. - to pack
them enough here! We have
already 180,000 winter more
than last year! And I wish
I could show you the improvement
in the scientific management &
raising of the North American
the Guelph.

We are all well.

Yours

J. W. Wootton

I am much obliged for the
Address and the
visitation

Dear Sir.

Dear Sir

W. W. W. W.

Oct 21/3.

Dear Sir

I have to thank
you for the letter &
the manuscript &
notes - but have no
time to answer at
this moment - I am
working hard to get
out a part of the

Rich. Muller's work has
been altogether stopped by
mischance. so that I have
had to do most of the
past myself. -

Thomas's life was great.
All Anderson's work I
had to re-do. because
of his death. Poor
Edgeworth is now dead.
[He is greater than the combined

of the work is concerned,
that I had to do ^{other}
which once again -
Master was dreadfully
canceled, that I & I
had to be very much.

Whittier who was to
be in some part, would
to Rich. Mrs. & could
not go on with this
part. Altogether it has
been an awful defalcation.
I have just since &
then which later on

analyse M. Petal. letter.
Thomson's illness, Anderson's
death, Selgworth's failure of
power, have borne heavily
upon me. But this is however
justly expected & I am
advanced. I shall then
ret. to Venice again & finish
off the Montepese -

How glad we all are to
you visiting 2- my friend of
Anderson's, each of whom
has many species, & to
you Montepese Montepese.

After all each group must
be a law unto itself in
the long run. I must make
you American friend of

Nov. 2nd 10/73.

Dear Gray,

I have little news, being
very busy with London, amongst
which the new arrangements
of Lincoln & Russell have
occupied a good deal of
time. The new apartment
are very fine indeed, &
Kewtham led off the other day
in grand style. It is a large
meeting:- but though
out of debt & with a couple
of thousands besides our
bank balance, & money for

more rapid publication in
the Journal. Our publications

cost us £500 to annum -
requiring private help -
a very large sum for so small
a Society. - My travels
begin in the 14. Whatever I
may hear we shall be well
told of it, who has been
very thing but a considerate
President, & whose conduct as
Chairman of Committee has
been simply atrocious in a
business point of view -
He has never shown a shade
of feeling towards the Society

collecting or individually.

I have asked B. about your
paper on Symplocos & the
which was read long ago
I believe.

I have not recommended
at Gen. Munt. & Vaccines.
not having had to spend
a tremendous deal of time
over matters of the
colonial form which
are abominably costly, I am
to ~~visit~~ ^{visit} at Selworth
I am beginning to send &
renew them - & to do
impaleen again we
suffered £120 expenses -
- & probably more. Could I

Andromeda, take it with
my more abundant.

Extra-American ones -- or
all must go into the fresh
series. I must accept
your judgment as to
the essentially N. American
group of Monotropice.

You are not too late
about Aquilegia chrysantha
I have seen no data as far
publishing it -- No.

Thanks for Pennsylvanica &
Romney. What a fine
thing the latter is. Also
for Pleurospora. Also for
Guineya & roots & seeds: all
it splendid order.

You say "nothing like *Laportea*
argyrolepis known to N. Am."
- but see Persh I. 291.

I send you by Pat a
packet of *Trinidad* seeds
intended for Killbuck
of whose whereabouts I
know nothing - will you
send or sow them - I
do not care which.

Wm. G. Safford.

W. G. Safford.

I. H. M. Safford was here

a week ago, she is no
better at all. We had Dr.
Gunnison to see her who
can find nothing organic
amiss. She seems now
to suffer from depression
of spirits. -

Dec 1877.

Dear Sir,

I return Newberry,
Pluricarpus & Schweinitzia
4 not Registered - I have
ventured to keep 2 flowers
of each. We had none
of them in the Herbar. : now
is Schw. : Herb. Lary !

The Apple cake is arrived
in Sydney - 1000 Thanks -

You will rejoice to hear
that I have a new Monstrosia
for Khassia, near Pleuriscapae!
Monstrosia I hope! -

As letter for me
in paper

J. Hooker

I have thanked you
for the Scherardia
specimen in seed.
It is very beautiful
which were most
valuable

2. Her. Nat. her. while
 Laura has done, but is
 anxious that the sheets
 into me may have of work.
 I add to my misery the
 loss of Dr. May. & this
 month has been active &
 I am desolated.

I hope, with you also, the
 French Academy. I have long
 aimed to enter the smallest
 interest in their big game. I think.
 Certainly putting into them.
 A.D. name amongst the
 immortals. - In Paris committee
 & I am not too independent.

In paper

W. W. W.

May I wonder if I have - Subscribed a to myself -
 I have been to
 I have been to
 I have been to

June 30/74

Gray

Can you get me
 Museum specimen of *St-
 apocynum cannabinum* fibres
 together with any articles
 made from it!

May I wonder if you
 two Florida tribes which
 are quite so, but; I am
 delighted to get them. My
 services: first rate
 conditions.

We have Scarlet-fever
 in the House which is a bone.

but youngest; Grace, has
it slightly.

I have no more - I am
working away at *Sarracenia*
& *Nepenthes* &c. I do
not find the sugary secretion
on the wing of our English
green specimens of Flave
or any other, but I find
it on the peristome & on
the under-surface of the
lid. I have made out
the secreting gland.

Sarracenia & *Drosera* &c.
they are most minute.

Cephaelis is the most
various of the W. & I am
troubled with it.

Nepenthes increases its
secretion largely on ~~the~~
taking food, & the
substance changes: the
cells of the gland is
most remarkable. I think
that the gland both
secrete the fluid &
absorb the nutriment.

I am now at *Clatrina*

New Nov 25/74

Dear Gray

I find several things
unanswered in your last letter
to me.

Victorinus Petrus arrived in
perfect order & is I think quite
safe - I am writing to Dr. Peters
to thank him.

Yes Trudali is hearty. His address
will do good, though I should have
preferred its coming unofficially
from him. Unluckily it leads
nowhere - but that is the fault of
the subject. It is no use straining
our eyes into the dark; - but when
we can't help doing it,!

Myra's loss is deeply felt here.
Lovering's address is awfully
hard, but seems to me just
what I can't follow half of it
now can Darwin.

We liked very much what we
saw of young Jackson. He spent the
best part of a day here. He was the
best of good many friends that
my wife saw.

We have Sichuan Edible. It is
the solid London as Hesperian
cucumber, a some such name.
Nobly (I think) on a note on
its Germination. in Good. Cham.

Boonay Price is no favorite at
~~the~~ all a great matter - blower of
course. The other Oxford Pub. (Barth)
Price is charming, & has ten times
the other solidly & sure and
culture too.

I am writing to Sargent. I fear
he thinks us poor (but not bad)
conceivers - but really our
conscience above the world
to prove of all sorts is as low
& that for Government institutions
Colonies &c, so wrong, that the

private contributors are ^{too} often left in
the lurch. I think he took a fair
lot of trouble away with him: &
the box of orders we sent him
the other day, was worth - I am afraid to say
how much at trade price -
He does not complain of us. I am
glad to think, & is very prompt
& pleasant & ever abundant indeed.

Yours Affly

W. H. Hooker

How is your husband & Peter?
doing?

New York 26/75.

My dear Gray

Thanks for yours of July
5th. I shall be very glad to see
young Jackson again. With
kind regards from mine
stone things by line.

Nautilus seemed wonderfully
well, but still suffers.

Wadele was at work on M-
Anderson Desencias whose name
is begun.

In *Sereno Watson* you have
xxxiii. for xxxiv. quoted under
Mertensia - a very minute
bunch that conf. Baker & me
in world of trouble. Also lower
down. Corolla 3-4" instead of

something else. I am figuring
Mr. Alpine. a pretty thing.

I am getting rid of a lot of
books, & "selling up" a little
to "raise the wind" - Do you
suppose any N. Am. Library would
give £20 for a complete copy
1/2 bound of "Attention" for
commencement to about 1863

I have some good Boh. works
in display, not needed for
my ^{working} ~~private~~ library here which
I keep up well. Shall I send
you a list of them? -

Hannah & the children are gone
to Boulogne for 6 or 8 weeks. I am
alone here. Welf is with H. Volkmann
at Aldeburgh. Charles Frisling is Yorkster
he has passed Pres. Smith from. wh. L. U.

Aug 24. Jackson sailed last
week & took his plants
which will I hope be acceptable.

I go for a week tomorrow to
my friend Hodgson's in Gloucestershire
He avoids the Brit. Apr.

Thanks for your of July 27th.
I am deeply concerned to hear of
the family failures.

Yours
E. O. W.

W. B. Hooker

Hooker is making an excellent
medallion of Dan Hanbury

April 12/76

Dear Gray

I am tiring away
at Amaranthaceae, & am
bewildered with
Senecio & Montelia

I find nothing with
circumscrip fruit answering
to Senecio Montelia.
Will you kindly name

the enclosed.

I have seen
Prof. Juma, - at my
joiner - but have
lost sight of him again.

W. A. P.

B. A. P.

I fear that much
work unblogged is
unpublished as has
Newton, & probably
Menges will follow.

soon wanted.

1/2 to 3/4 of the money - then 2-
Military with Stanley
for a fortnight. I want
rest my last.

E. M. W.

W. M. W.

Now do we stand a report
that Gay, I presume all
proceeds of the subscribers
for expenses of publication -
I have engaged Combs on
Melrose (Maine) business,
- this is a private matter
altogether

Meridian as
life is worth
your reading.

Arrived May 18,
April 27/76

Mr. Gay

I write - then 2-
by that you share 2
I. Stuart Smith's letter.

over at once. You may
remember that Miss Taylor
(his sister's daughter) offered the whole letter - (-

New - finding that it
contained heaps of duplicates
I advised her to let us
divide it, keeping a
complete set for New &
the sending the rest elsewhere
especially to America. To this

Parische des Hesperiden p.

Parish

(E. M. M. M.)

(E. M. M. M.)

(E. M. M. M.)

A million thanks for
your kind notice of
Primer & corrigenda
long one of which shall
be attended to —
about 15,000 copies
are sold! & I hope a
new edition with an

I returned from a week's tour in
Wittany last Saturday, had a little
repair in a beastly boat & arrived
at afternoon at 6 o'clock in time to
dine for a "Banquet to the representatives
of Science" at the Museum
House, where we lay half sick &
headachy. I had to go through a
long dinner & make a long speech
to my honor & disgust. I have
taken cold & bronchitis therefore.
I feel very good for nothing. I do
hate these banquets, which are
simply tremendous displays of luxury
& spirit of ^{deplorable} civility & "stump
oratory". I look forward to the
next to her return, but in the
last May's right hand.

No more at present from
your affluence

R. W. Allen

Remains wonderfully well

May 10 '71.

Dear Gray

Many thanks for your letter
& information about Science. which
it's jingles me - I have nowhere
found in Herb. any specimen of
A. ^{tamariscina} ~~tamariscina~~ & of the number
you quote, of Wright's Lindheimer &
Fendler the only one I find is
Benthams Herb. by Wright
582. & part which is Arctostaphylos
undulata. Of course the part
shows that the rest must be
there, here I must have a
mistake. Meanwhile I have
examined the maps you kindly
sent of Ind. 737. I do not find
the whole to be circumscribed, but
irregularly numbered, with been
& there a tendency to transcribe.

find the same trace of what
I sent you as A - makes
an enclosed A² from Dorman
what except it is removed
parts seems the same as A.
This A² came from Dorman mixed
with tricholus viridis No. 311
(~~Louisiana~~) (St. Louis)

(as A³)
I also send 240 Texas Dorns
what I suspect is ♂ of A². v if
it = tuberculatus - it has flower-
- nodes sometimes $\frac{1}{2}$ in. diam.

You ask if I have Chapman's
Amide from Florida & what
the ♀ looks - a general way
like the ♂ - Can it be a
Chamisso? what should
touch Florida.

I have no W. India Amides

but the very young single
specimen from Trinidad
with very long leaves like
A. carnabaria.

I wish that I could keep all
Amblyopne, but an examination
of the American Amaranthus
obliges me to follow Reutham
in grasping it; as indeed
do the S. American species -
The Amaranthoides Amaranthaceae
are a bad lot. Aemida is no
doubt a good genus, but a
puzzler.

I shall put these beasts by till
I hear from you again, & go on with
other Amaranthaceae - I do hope
that you will get good specimens
of all for mine are wholly
insufficient.

June 2/75.
"

My dear Gray,

I have yours of May 8th & 19th to acknowledge. A big box has just gone down with the J. S. Miles collection - & I then will be able to wrap soon & believe me.

Meanwhile thank you much for Amorcanthus powellii. I am puzzled about it with it - its habit is so entirely that of an Amorcanthus. That I should be disposed to put it into that genus despite the delicacy of the utricle, which is a very variable character in several

Amaranthus.

Many thanks for A. peruvianus / Saxifraga
we have it now. I send
herewith the plants I thought
might possibly be it - what
are you making of it - ?

I have no desire to raise
the price of Geo's plants. Thanks
of course the more you take
the better!

I am delighted to hear that
I have satisfied the old judge
to some purpose!

Your kind regards shall go
to Herby. No more at present
from your affec^d friend
B. Hooker.

when the R.S. Officer agreed
with me that the work was
vastly increased beyond that of
any previous year.

I suppose that this will
find its somewhere amongst
the mountains, where
such I was left to

be dear to

affly

J. H. Hooker

July 10th 1876.

Dear Sir

I cannot admit that
Drummond's Gleason 272 of N. Y. has
with that minute leaves is your
Encolus crispus which is puberulus,
~~from~~ has ovate-lanceolate acute
leaves, & is a garden plant, further
272; has 1-5 minute unequal
Serrate (bract?) ^{whit.} 2 ^{crisp} Encolus has
4-5 serrated Erub. sepals. They

have grown to do with one another.

I ^{have} ~~best~~ give plant ^{to} you yourself
in 1874 & it is the ^{same} ~~plant~~ ^{thing}.

I take 272 to be Mentzelia californica,
Nutt., at any rate it is
Encolus polygones Thwaites' Enc.,
the californica form of M. tenuifolia
which we have also from Africa. The

never should go into Euphoric ^{exp.}
with regard to your criticism
on Clethra authors, I do not see
how your verdict differs much
from mine, now what you are
driving at exactly without going
over the ground, I know the
bare assumption that I merely
followed Baillon! I never do
^{or} blindly - I carefully depicted &
"Clethra" rules & you cite briefly
my drawing in the "Herb." if I
remember aright. - Heaven's
knows that I have made
blunders enough ^{of my own} without saddling
myself with Baillon's ~~which~~
erroneous descriptions & I
invariably lost - though of course

with a bias to their being right
except in ^{new} points, or when he differs
from others, when there is no smallness
near to doubt - whether Thunberg
or obscure. I do not see how the
we can use any man's work,
good or bad, of course I may
slip into his blunders, but that
is not unpariing because I have
not looked for myself.

I have no news - beyond what
my last letter gave you - I
shall remain in Hamburg & work
here till end of August, when
a fortnight with I hope settle
matters of the Atter & British
Association & then I shall
have to prepare for the R.S.
work. I hope that I shall
not have so prodigiously
many a lesson as I had last:

My dear Mr. Garrison! (Part: Nature)

[illegible]

For the outer cells as represented
in the accompanying diagram. On you may
construct of ordinary, of the same
look a hollow - in another
lyph., or variety of compound
structures cells, of which the
evidence may be the several
hollow-tubes of some hollow.

which always appeared around, to me.
- Be this as it may, the
quarter remains, as the
Sinh. Cong. character that
prevail through the plant:-
- life of former times, who to
the mass of perverts &
sinners of the clergy, to
be overriden; the character
behaviour of the people &
murders, & should be such

in house 1. Anguich. { Monocot.
2. Symphy. — { Dicot.
3. Cryptog.

giving proper value to their
Inst. & character - whether
or no there should for them
be Inst. as a sublap.

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON. WY.

you have it.
I ~~will~~ return it, as I keep
a collection of facts.

I had a most kind
letter from Hazden, again
inviting me to America, & I
find myself talking of
going in a way I never
talked before! - he asks me
to join a special party, &
adds "Dr Gray says that he
wishes he could go with you" -
I need not say how much this
influences me. But I do
most deeply feel the fact,
that the responsibilities attending
a party of 6 children being
at any time beneath my
hands on the head & this

makes me dread saying
myself. I could not get
away till after June 15,
but could immediately after.

Mr. Hooker might accompany
me to Boston, & stay there
during my trip to the
Hillmanstone. I shall
write to Roger in a day
or two.

Well, as I am to now is
what I am doing, refusing
the other engagements for
the Autumn, & at last
over that would interfere
with ^{American} Autumn by demands

on my time & purse.

I am frightfully busy.
Printer is off my hands

but Students - Phil. Place
is an awful labor - I do
hate 2^d Edition. The

work I want of time & ^{Heracius, Williams,}
Nathaniel's Remarks, ^{Plutarch,}
Aeschylus is melancholy.

In haste

J. W. Keen.

Could you not review Reman
Sclerian & open up the
question of Gymnastics position
under the broadest aspect; i.e.

pay all my expenses - My
wife had £200 with
me but only on her marriage
offered her house also
just by.

I sent back the Gray
& always at your service
for whatever you require -
you make - the more
potential the better.

Yours truly

J. H. H. H.
New Prince of Wales
Road.

April 17/77.

Dear Gray,

I have yours of March 30
& April 6 by same post. This
morning, I hasten to answer.

I quite suppose that it
would be better to give up
the yellow-stone for what
you propose in Colorado
Utah & California.

My going to the yellow-stone
really depended a good deal
on the idea that Hayden's
party would be working
there - which would have
made my going there

say to me & more serious to
him. - I fancy that the
thing lost is getting there
would be great, believing,
& unproductive - botanically.

But you must not let
Hagden suppose that he is
in any way expected to
contribute to my expenses -
- As I ever thought of was
with reference as I should
have been incidentally
& happily saved by
joining his party. - Had
I been going to lecture or make

myself in any way useful to
Hagden it would be another
matter. - as it is I shall have
no claim whatever on any
one & least of all on good
Hagden. - Of course I
would gladly ply second
fiddle to you in my Natural
Rehabilitation work, &
be proud to do so. - but
might make a very
useful paper on contrast
of Early Ant. - Herculaneum &
Early Europe. - helps - truth
promoted observation &
with other Ant. regions
by other means.
I shall be quite ready to

and taking tea as he would
keep his room than my
other members.

I must get my 2nd lot of
stems - Fine though it
was before I got - which
cannot be I find before
End of June

to a great extent

Yours

W. W. W.

Primer partial reading

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON, WY.

April. 30 77

Dear Gray

Please look again at your
~~Asplenium~~ *Otilotus Sandwicensis*,
is it not a true *Polystichum*?

We have nothing answering it -
you *Asplenium*, a ^{notice} genus which
I shall enforce it - It differs
with characteristic bracteates.

Of Maquins, *A. involucre* is
a *Sericoideum*, - A *Renealmia* is

Sericoideum *A. angustifolia* - A
but has slenderly *Asplenium*
obovatum is rather a *Centropogon*

A. alba & *ovoides* should go
from ~~into~~ another genus with a
thin leaf plant.

Asplenium *Helioscopia*
occidentalis = *Renealmia* Maqui

has nothing to do with
Banalie & is a distinct
form "Idiopis": near
Hemikeros I suppose.

What do you say to my
being accompanied & success
by ~~the~~ ^{my} friend Shastky? - he is
most anxious to come, &
would make a splendid
practical addition to our
party. We have travelled
to much ^{& is pleasant} together, that
I cannot say no. May if
I would - Of course he
wants no facilities, but
I have this garden with

in any two places that is
able a man should be
with us. He is a real
pleasant & pleasant. This
(as yet unpublished)
Deplacator & survey of
Vimman is a first rate
piece of work. He is a most
valuable member of the
R. S. - a good fellow. Metendyff
John Gurayish & Aunt
fellow altogether. Mrs. S.,
who will accompany Mrs. B.
Kummi, is a very clever
person - a daughter of Sir J. P.
Grant who was Governor of
Jamaica. ^{& late Governor of Jamaica.}
Shastky is one
of the Council of India - of course

May 4, '77.

Dear Mr. Webb

The Willows Farm
arrives in capital
condition - by way
Thanks.

Very truly

W. B. Hooker.

May 17/77.

My dear Gray

I am very glad indeed
to see the notice of Keen's
paper which is capital.
You keep yourself cool &
cautious regarding the
position of Psitt. though
I do not think that you
will satisfy the physiologists.
who are determined to
override all other considerations
for the sake of
their Embryos, sacs & vesicles &c.

Yours of May 6 arrived
today. I do wish that I could
set out as early as you propose

but it is quite impossible -
I should indeed have been
proud to have had Dr.
Harvard L.D. -

I have a Home reception
of R.S. Follen on the 20th
& a meeting of the Society on
the 21st before which I
cannot possibly leave.
We have I hope arranged
for the Childs & Co. being in
for during our absence. But
not quite finally. I shall
get away as soon after the
20th as possible. & take
the North Star. I am

now writing to Mr. Brown at
Liverpool about the
Travelling. I gather from
one of your former letters
that it would make you
easier to get away
at beginning of July. -

June 26/77

Dear Darwin

I sail by Parthia
on 28th for Boston
by way.

J. H. Hooke

100
Hooke
J. H. Hooke

expected to leave before I left... He
said his wife hated letter writing but
that he would see to it. He is on
the eve of departure for India, she
will not accompany him.

I have heard from Darwin, his
eldest ^{son} William is going to marry
Miss Fagge! - ~~William~~ wrote to me
yesterday about it, but his
father & mother however shared
with the lady must but with
she had better wait, William
himself being as far indeed from
strong. Poor ~~Robert~~ the little boy
man has been & has been 5 weeks
in a sofa with a sprained knee
& with him for many more - all
probability. I hear too that Anne
is not strong enough for the career
he went to for instrument making
& making - he seems to be a
splendid mathematician like
George. The Liebigfeld has been
most dangerously ill of inflammation

I have not seen any longer that I have written so much

Feb-23/77

Dear friend

Yours of Feb 8th to hand. I
enclose photograph for Mr King's friend
at Cincinnati. I hope it is what
you meant. Also a note from
old Sumner - he did talk of going
didn't you remember my saying
how unsatisfactory his book was?
I now wish that I had asked
him him. I remember him well
both in my Father's & my own time.
He (& I think a nephew) touched a
chord with me more than once.
I took him long walks: He P.G.
& absorbed during which he
murmured things; I could get
no exact information out of him
regarding our American opinions:
however he was a fine old
gent & I honored him for his

also 4 inches long broader
cone, is much ~~longer~~ & more
ovoid, it is ^{solitary} ~~peduncled~~ ^{hardly} at all
renewed & the scales
have rather long & more
blends for persistent points.
Altogether our two plants
agree amicably with my first
(youngster) conception of the
two ^{species} ~~plants~~ which were so widely
distinct subsequently. By finding
small cones with stiff not
shining leaves & large cones
with long shining leaves! Now
if there is a character whereby
they are to be distinguished, it
must be by the clustered ^{as species} ~~renewed~~
usually small cones of Ponderosa
& the preceding large broad
subsolitary cones of Jeffreyi.
We have a good many plants
of each all ^{of each} precisely alike, no
doubt seed raised in seed

My wife is concerned with the fact it probably suited her taste
to do the work. She is most particular to Mr. Gray & myself to
know her. She with game and the photograph took herself.

one of ponderosa, other Jeffersoni (I should both).
 only two trees. Smith tells me
 he has found another ponderosa with
 with garell.
 Consider - This I have not seen nor
 looked at - the Museum specimens.
 But grandis there is no mistaking
 about, Lasiolepis, Paeonia &
Lewisia are hardy forms of it.
 Of nobilis we have two forms,
 one rather slender which does
 fairly well, another very stout
 which miserably gets gouty.
 It is desired we have many plants of each.
 Then we have the Mendocinus
 plant with deep green short
 distinct leaves actually cloven
 at the end. This is very emblematic
 of the gracilis or nobilis - if that it
 is a state of grandis it is a very
 queer one - I wish you could
 get - fresh leaves & cones & seeds
 of the Mendocinus plant
 of the gracilis or nobilis -
 mention it to the Forest of N.
 Australia Fore, & say that Mr B.

I dined with Shakspeare last night
I was very much disturbed to find
that Mr. S. had not written to
me yet. I could not help checking
things. She spoke most warmly
of you both & said that she
had "business" on her mind to
write, but that getting her to
paper. Shakspeare is annoyed about
the show. He sails on 9th for
India.

We have had the business here
to know like the much; we
introduce them to Lord Eastlake who
called immediately on them.

Well done Overman! His instructions
with his very suitable; Smith was
much pleased with him.

Bylina has written me
some letter with sending. I have
Leane & them. The case is about
Picas but with not also consider
to call. Brandis & I must.

Nov 3/77.

Dear Gray

Enclosed are extracts from
the "Oregon Committee" Report, which is
concerning California votes. There
is I thought might be useful
to friend Walter to show your
kind feelings.

I have dabbled a little further
in fungus & been looking up our
Arceuthobium collection. I find
lots of young plants of *Arceuthobium*
from Sacramento, Perry & Westmoreland
in capital order amongst others
H. Engelman; the soft affair with
short appressed leaves, very unlike
our *Arceuthobium*. That I do not
wonder at Engelman's misapprehension
its distinctness. I feel Brandis
to look out for intermediate lots
of *Arceuthobium* very different from any

grandis or behamea. - May young
from grandis, folto 2
mobiles + amabilis + magnifica.
Good Tongues & indeed very strong
but bracteata would I do not find
& we are badly off for juniper.

The small Cupressus from Fanellone
killed off Gilde & later to be
the Nabiane which differs in
slender habit from macrocarpa
& smaller form - we have
young plants from Whitney seed
or Howe must have found
it in California? (was he not
with Howe?)

Want badly the juniper
occidentalis of Rocky Mt. - that
in that branch from the bar.
We can no longer occidentalis is
with upright & I suppose the
presence of R.M. - I find & our

collected one plant of California
by juniper. - Lots of plants of
Styrax & other good California
things Allegata our America.
New & short collection reflect the
highest credit upon our largest
efforts - not only for the number
of species but the variety
condition in which the seeds came.
We have lots of oaks, - Sonoranensis,
White, & two other California ones
that we got. - Platanus californica.
& no seed of other things.

I have told Smith that I shall
empty our boxes of all common
Cupressus here & gradually keep
them stocked with conifers
for Seckoye & the London Parks &

I shall see Murray on Tuesday
& find out if he has specimens of
the best species he has published.

replied, I have answered him
that I will receive judgment -
about Ab. Spegelman.

I fear I bore you with conifers -
but I have still to do Cypripedium
& Juniperus!

Pray get Manager to send
me £10 worth of Carte - old species -
at proper season. I will pay
him further for seeds & cones,
woods of Juniper & Pinus,
Edulis. if good old trunks. I have
never ceased regretting leaving the
bills at ^{of Edulis} Fort Garland.

My wife went to the photograph
last week, she sent 4 for
approval. 3 Vill, the fourth
good but showing my half her
face - very horrible her sweet

to prepare. I wish since it is Mr
Gray is soon in the copies
come.

We have in Dan the Popley
medal, with autameter. I may
say. I wanted to tell the Council
that the award would be a
heartily Endorsed in America
as here. The two things went
to Her & Abil. (Explosive Chemistry).

My four collector of cones looks
uncommonly much of the
New collection!

Goussard is here.

Love to you

B. Hooker

plant for the Favallone a some
such name. I have 'off the Golden Gate'
is it - Kelley gave it to me.

Juniperus Henryana I have an
authentic young plant of, & it is
supposed *J. Californica*. (from Big Juniper
of Sierra Nevada)

I have not yet attached *Pinus*
Bulfovariana but shall do so as
soon as I can.

I am utterly puzzled with the forms
of *M. Menziesii* that are given.
On. Hughesianum is no doubt the
same as Sargent. The subalpine
Rocky Mt. Plant. All over cover is
Museum an like growth, smaller than
Menziesii; the leaves shorter & greener
softer & more appressed.

I have not yet touched the *Piceas*
of which we have a splendid
set of ones in Museum.

As to the Report, I am very glad
that you have taken the climate in
hand, I should have been sorry
to have had to work that up.

Nov. 24/74

Dear Mr. Gray

I have just finished a
Screen that will, I fear weary
Mr. Gray's eye & head, but it
was so pleasant to fight with
her that my pen ran ahead of
my discretion whatever that may be!

While I have got through a deal
of child's play, which is much
easier work than one supposes
since my return - I believe my
correspondence have done pretty
near all I expected - but then
the correspondence was to have been
the best part of my work - so I
cannot say that my progress has
been altogether satisfactory - The
address has cost me much labor
& hunting through Hazen's Reports

Reports &c. - I have had much to
do at R. S. Since there
time a week. at least. I
have been cross-anxious to the
Office on intention of retiring
next year, to which they were all
opposed, & desired me to keep it a
good secret. at present. I have
however persuaded Hurdy that
I shall ought to have the Chair, & it
remains to be seen if he will take
it. I shall not speak to him
till after the Anniversary, about
it. - If he will not, I am at my
wits end for a successor who will
join the scientific party, the
business party & the popular party.
As for myself, my so-called success
makes me all the more anxious to
retire. The post is a terrible one,
I have stored the Society through
some ^{difficulties} ~~troubles~~ & escaped myself
various dangers more perhaps by

good luck than good management; &
I have been more & more supported.
Hurdy says, he never knew councils in the
Lamb-like condition to which they
are reduced - & I must confess I am
astonished here myself. I am fair to
attribute it to my taking good advice
from my officers with a certain
firmness, & acting on it at once.
Enough of this.

I have been lately at H. Currier
at momentary moments. quite
unsufficient to get my right judgment
but enough to tell that there is a very
interesting. I find an fine ^{young} plant
of *Grommaria* & the *Pine* - like
concealing. like *Walton* that it is
certainly not maricata but, I think
a very beautiful Contorta. - I may say
I am sure of it. - Tell him also that
we have a fine plant of *Cuscuta*
fragrans, which is certainly only *C.*
laevigata. - *C. Governoriana* is
extremely like *maricata* but
with smaller fruit, & I think the

identification & hence conclusions
of vegetative paleontologists. & are
required to do better or hold my
tongue for ever. Is your seriously
believe that Taxodium distichum
has survived unchanged from
Miocene times to this? If so what
can be said of the "struggle" been
about. we can understand how types
survive after & change of conditions to
almost any amount, but hardly
such specialized types as those of
Taxodium. O. Her fossils in
has found Abies nigra in the Polar
Miocene & as it is not found any
more southern Miocene suppose it
was a circumpolar creature that
migrated south.

Ever yours

P.S. I have written to Fendler & to
Porter & to Findley & to H. H. H. H.
about him.

Nov 24, 1877

I have just finished a short notice
of the Polar ^{species:} plants
from 80°-83° for the Report
to Govt on the results of the voyage.
All the plants from Scattered around the
Polar sea are almost purely Greenlandic
There are just 70 from 80°-83° & the
remainder from around 1845.
The two anomalous introduced into
the flora are Pedicularis capitata &
Candollea apiculata, neither of
them Greenland plants, & not
elsewhere found N. of 72° or thereabouts.
This is very curious.
What on earth can have extended
the Greenland flora so far south as
that the Polar Channel & why do not
^{such American} Ranunculus, Poa island plants, as
Astragalus alpinus, Oxytropis lanuginosa,
Calla hibernica, & a lot of others which
abound in the Arctic American coast
& Polar land & some of which even
inhabit Spitzbergen & even reach
the meridians of the Greenland flora
from 62° to 83°? - It cannot be the
case of Greenland, for the flora is more

Memorandum. That that of the Polar
Islands witnesses Alberville
vulgaris, Pyra Grandeflex

Natrix alpina & a lot of plants
& smaller forms that are nowhere
in the Polar Islands: on the side of
Baffin's bay -

I have put up for you a copy
of my Journal Himalayas & for
you a copy of Scrap's Journal of
Central France -

I have just seen Plum &
Monstria a copy of which shall
go to you, also of Vol. 11 of Plum
18th. April: I am astonished and
proud that the Sententia Hibris
known all our sections of Rubra
I keep up heart and my ^{Africa new!} genera!
Kung in prope have attached them to the causes.
I'll be restored Richardia for
Richardsonis, - if I remember aright.
The former was an error: it is an
American question.

I fear that a heap of Wakers

betters will strike you on Sperry
the Monstria Plum. The first page I
dressed had Kagledge. I think I must
have overlooked - however you don't
in too hard on me for I am afraid
he will give up publ. edit. he was
so distressed as to be surprised at
the news of all sorts of blunders
unintelligible & confusions! Had to
convert the proof after him.

I have shared in Lequerues' work
in my amorous address. I fear he was
not quite like it - but what? what?
is one to say of such identification?
Kung a scrap Lequerues from the
Miscene with veris. I scrap of
have referred to the sort of
Scene, Europe Scene Scene &
& failing to recognize them with
living types they are recognized as
identified with European Miscene
species! - if this is not the driving
the "ignotum ab ignito" what is it?
- the "blind leading the blind" at any
rate. I've heard of a number of the
geologists for who swearing of the

strict growth of content. The trees
are longer & more numerous. That is
Pepine.

Sagittaria is sending us a gorgeous lot
of trees & shrubs. What a splendid
place we are. I should be like to go with
you & live into Virginia.

You say that even with the
Philosophy her interest in the
Haber as well into our work. - this
is a pity for our N. Am. Disposition
but I suppose too detained for
Haber's wants. - That is to say that
with a treatment of ideas & what is
what he wants. - & we would be hard
at 2-3 of our work. - I will give
to the gaps you indicate. I had
already tabulated the Census of the
world as you had taken into account
because the shanty men. What better
do not militate with your results.

About the mean big Tropicana that we
might into Europe. I am doubtful -
I have had notices of the sort, but
now this Beer has shown (?) that
Abich's was a notice of the Polar

Dec 4/77.

Dea. Old Gray

At last the annual day of my
tribulation is over - St. Andrew's - after
which I feel strengthened. My belief
is Providence that has carried me
through the seemingly impossible without
floundering or blundering. It is indeed
a heavy day. I leave New York now, to
meet the officers or business till 3,
when the Council meets; then to the
general meeting for Election of Officers,
auditors reports, my address, & no end of
votes of thanks & distribution of medals.
Then to sleep at a dinner for dinner
at Willis's rooms with horrid toasts &
speeches. & home at near 1 PM. so
excited that I can't sleep. I cannot
sleep a night. - A Putnam car with
American babies & youngsters about, & no
sitting speech. - Ah went off with
the address gave satisfaction, I did not
"stick" at the speeching - I entered the
Wintering Ministry to the ^{here} receive the address & "Lans" -
receive the copy for your
& to thank afterward. - The address & "Lans" -

Amicus x
which I gave to ^{Hayden} gratified him
highly - as did my ^{travelling} tin
in the evening. Connection with
American Science ("God bless the mark!")
to which he responded with some warmth
but more prominently - talked of "Shawbury
Leaves" being given by the government to crown
"Sheds of Wood" & none to art - of course &
so forth, to Museum (who
was ^{personally} disgruntled. I had the little
man on my right & entire now; ^{that}
our little tin is my favorite specimen
of your countrymen, but we got on very
well indeed. I wonder what you will
say to our remarks on American Stone which
I introduced at the ^{of my address} ~~end~~ & which I
say of Hayden & the Survey. Anyhow it
will I doubt not be pleased. I will send
it as soon as printed. We elected
Dean & Foreign Member on the same
day.

The Photographs arrived safe &
a superb set. My own: some of them
are artistically the most exquisite things
I ever beheld - with all the delicacy &
feeling of the highest class of art. It
is indeed a glorious set. I shall write

to Hayden at once. My wife's photo:
though somewhat enlarged etc is not
amiss yet! - it shall be sent off as
soon as it does come. I shall send a
copy of the ^{my paper has} ~~Shawbury~~ engraving & sketch to
Mr. Gray & the American friends, both
& the photo of herself each gotten
without delay on my part. She is as
well as I can expect her to be till
after Christmas. I have had the only
photo. of the Vile Pap Camp framed.
& it looks splendidly.

I have found our cone of Pines
Ralphowang from Jeffery. Wonderful
it is chiefly young aristata with the
occasional such tips all smoothed off.
It is young & has a structure considerably.

I am greatly disgusted with Pines
Mammals of which we have a fine
young like plant with cones in
buds. It has nothing to do with
murexete or tuberculata, but is
very like acutata but the leaves are
immensely larger & the buds very
thick indeed. It has the fine color &

area along with Taxodium, the speculated
factor to the - ground - for if
Ab. beeches could come
south into Europe why should
not Taxod.? Surely above beeches
were in as where there is the Miscanthus
which Taxod. Anticline above the
Europe. - The conifer Taxod. disappears
in the subsequent formation & Ab. beeches
does not turn up like the Port-Phoenice.
I think more likely that America
warmed up faster than Europe & that
hence Taxod. walked south into
the latter & had helped the turning
off to ~~Europe~~ Europe before the latter
was warm enough to receive it -
Ab. beeches on the other hand being
a much colder loving plant. turned
off onto Europe ^{which} after America ^{warmed} ~~got~~
too warm for it. - or in America
turned into A. alba. Not the dear
and speculation it is. & are
Taxod. dist. & Ab. beeches really
the plants of our day? - Old Jameson
of Edinburgh used to say "Like is a
best mark of identification." - how true

that is in plants.

The reason of plants of front of
this vegetation under the
val. beds is to be made
interesting & interesting. I should
be much disposed to go into it as
you have done, & in as much detail &
more for the Colorado & Flor., & subsequently
for the Atlantic & Pacific Flor., than
little in an Appendix to the general work.
In re considering the Rocky Mts Flor.
in a whole I am disposed to think
it a rather poor affair when the
mountains themselves go so big
& interesting! & to be taken with the E. & W.
at this to be sure - Exclusion of the
Prairie & low Western elements &
amounts to very little - It wants highest
& sunny crests & above all alpine
meadows to provide an indigenous
alpine vegetation.

I suppose we must in an agreeable
manner in the R. M. report at least
Rocky Mts Nevada, though this
never hardly fair to California & give
R. M. Flor. a good many species that

are more typical of Calif. than of
any country East of it. I think that
we should have a table of showing
which R. M. (i.e. the broad sense) species
are found in the East & in the West of
divided, or both - and also whether they
are American or European types.

I have drawn up a little notice
of the Polar arctic plants for the book,
showing that they are a northern
extension of the purely Greenlandic
Flora -

Now I must get to other letters
to good bye & will aff. regard to

Mr. Gray see enc. 10

M. D. D. D.

1878

Dear George

Let me introduce
my friend Mr. George
Brown whom I have
sufficiently introduced

I am interested. However,
I am on the whole.

And there. for he is a
warm friend

W. H. H. H.

New York 24/78

I have not seen the bottle which is I suppose at the bottom of the museum. I have not seen the bottle which is I suppose at the bottom of the museum. I have not seen the bottle which is I suppose at the bottom of the museum.

So poor Bolander, wicked creature has
 smitten me! His letter is no explanation
 at all of his conduct. But I can quite
 forgive him if he would only leave off
 the bottle which is I suppose at the
 bottom of the museum.

Yes without Taxodius & I won't
 dispute it. But very few shells will
 modern Conchologists are to distinguish both
 & sets & sets. But I have with splendid
 specimens, I must think it worth
 to conclude that because such
 miserable scraps of fossils show no
 difference from recent shells, they are
 therefore certainly identical.

I am delighted to hear of the
 Watkins photographs coming. & about
 of the Redwoods, which is my
 favorite tree. I have made an
 avenue 1/4 mile of them here.
 I am daily buying in the Arboretum, & chiefly
 interested in it.

Mother & infant are up. See p 6
 Down towards the change of air. Shell
 taken & it is of course. But I must be
 up & down. Thanks also for your
 message for the delightful letter & shall
 answer for the identical species on the lower
 and the upper. The latter description is the
 most plausible.

I have not seen the bottle which is I suppose at the bottom of the museum. I have not seen the bottle which is I suppose at the bottom of the museum. I have not seen the bottle which is I suppose at the bottom of the museum.

My dear Gray

Since last I wrote my whole
 spare time (or called) has been
 given to the Indian Roseaceae
 which "slipped the way" of the
 Fl. of North America upon which
 Dr. C. B. Davis is hard at work
 having given me Saxifraga
Crepuscula & Hamamelis.

I have just finished off the
Compositae this for review & this
 is my first subsequent letter.
 Devises Compositae is a really very
 bad piece of work as a whole, though
 it contains many new & good obser-
 vations. Hardly a generic character
 but is my fault, from not having
 examined his materials. He just
 examines one or two, erects the genus
 & puts into it what he thinks
 proper. & this most careless.

Yours

on it
structures, are most just. & if you had
known of the blunder in details &
the ignorant carelessness
you would have dealt harder
with it. I have kept up *Adonis*
Doronic, *Poastricea* & *Eriobotrya*, all
but the last with some hesitation
I cannot teach of *Melus*, *Sorbus*,
Aria & *Microcarpa*. nor *Pyrausta*.

Mr Macoun did not send me
the Canada fed. Survey Report. to
your is most acceptable - I shall study
it at our expense of our work.
I remember *Heister* & *Bouquet*
around of the treeless region well.
I think I can find some notes
of *Heister* in it.

I have a very pleasant letter from
our Bridewell attending to. Hardship of
friend Maria in the Kingsville County.

I mention *Parker's* unexpected
to Board of Prison of Newberg a foreign
fellow R. S. which I intended to
mention.

I have had sundry talks with my
officer R. S. about retirement they are good
enough to repeat it, but submit.

Stokes flattered with the offer, but did not
like to resign the paid Sec. ship. not
take the civil duties. I think we
shall suspect *Shetterwood*, who is a
splendid mathematician, Great-oh polymath
rich, hospitable & a favorite with all.

Engelman writes me that the
Cypripis *puberula* of N. Nevada is
occidentalis! It is surely entirely
different from J. O. of the Rocky Mts
which is numerous branches from
the base.

A letter of Brandegee to Sargent which
the latter sends admits some difficulty
in distinguishing *Ab. Engelm.* & *Engelm.*
He says: *Sargens de Crista* & *Ab. Engelm.*
where to the other is very often plain
he has seen it. I agree. I cannot be
distinguishing him by it. Numerous branches
B. is writing an article on the *Cypripis*
of the *Crestoma*.

To day I heard from old Kelley that
the covers are sent off with some
supplementary specimens purchased
of Halding for the very moderate sum
of \$10. which I shall remit at once.

N.
a greater extent in America than
any where. I do believe that
the House of California & New England
are more depraved than ^{any} those
of Scandinavia & Mongolia, &
I very great deal.

I met Gladstone the other night
who was enthusiastic over my
account of the Prof. tour - &
America in General. - it was
delightful "rightly over battles
on sea" with such a man.
Children & his daughter who had
followed on footstep home
from San Francisco were also
at the party I found them very
pleasant & sympathetic with
me & you. Both have been
as both to & both in well
J. Hooker

March 11/78.

Dear George

I hasten to acknowledge
the cheque for £5. with many
thanks.

I think we shall turn
out a good many minutes:
never depicted at before,
which have accumulated
in holes & corners, & we
shall be puzzled to know
what to do with them.
Of course I suppose that you
would not lose many
of them - Are there any
institutions in America where

Such would be needly cared
for? if so, would it be best
to have ascending & send
them to Smithsonian -
We would you like to
have a corresponding sent
to you (the Smithsonian) to
look over & see if there
are any you may want?

I am working at the
Colorado Flora, but can find
no better analogue for the
Rocky Mt. than the Altai.
In regard altitude & vegetation etc.

I am more than ever
astounded, nay stupified, at
the difference between E. & W.
N. American Floras. - I am
speculating on the advantages
of regarding geographical
distrib. of plant primarily
from a geographical point of
view. That is, not classifying
plants merely by the
^{species} ~~area~~ they are ^{represented in,}
^{such as such countries} but taking the natural areas
of the world, & studying
their floras & relation to
them. Plants seem to have
followed the great geographical
leadings, & to have been
distributed in mingling of the
great geographical distributions to

nothing to do with ^a Second of the
comparisons, both, on any other. The
beaver are represented as ^{admitted} dominant
of the whole base.

I am much taken with Miers
observation of the sites of the Big-trees
on the slopes first denuded by
glacial ice - but I cannot make
much of it -

I have a heap of books to
and am down & then later
give to make up a box.

Harriet had a little girl two
days ago after a very bad time
but is doing admirably well.
as is my wife & baby - a splendid
child & very good.

Thomson is doing in London I see
are almost every day.

I must now go ~~to the~~ ^{to} work & write
much love to you & the

Ever affly
B. H. Waller

April 11/88.

Dear George

I owe you for several
letters, Feb 11, March 18 & 26. Feb 5.
I have written to Richard, who I
hope will not give up. Melany,
leaving is much to do about the
horrid canisters, which I can do
Eugene has been cleared up
on the main into intolerable confusion.
for the like of me I can't be a saint.
I have admirable letters from him,
I do respect & esteem him & his
knowledge & care & acuteness &
acuteness, so that I hope he is
right; but if so I can only look
on it "wonder love & awe."
Here is a pretty confusion about Carpenter

(I have not written about it to Engelmann yet)
macrocarpa, - our so called plant
with the Cyperus - point one, which is
little Lambert tree with
spreading branches & far more
robust twig, & larger cones than
our macrocarpa. -

I do wish we could have a good
comparison going to California, with
old Engelman.

I have just finished my lecture
on the distribution of
Arctostaphylos, which comes off
tomorrow night. I account for the
absence of the Eastern form in the
Western States by the greater
consistency of the Arctostaphylos
which Nevada & Colorado have for
long ages after the Eastern States
were warmed up. I hope you
will swallow this, for by far it
is true, & we must eat each other's

words in our joint work! I have
given your history of the Eastern
vegetation, I hope correctly. (from
Trans. Am. Acad., & your address to
Am. Assoc.) - I also give outline of
my (unpublished) showing that we
were contemporaneous working in
same and in different places.
Points & without concert. I do not
think you John Jay Smith is
exactly correct is typical of your
work; but I hope I have made
no mistake. - I wind up with
Sesuvium, making note use of
Muir's paper. - By the way do
compare twig of Sesuvium Sesuvium
complanatum, with the plate
XI. fig. 4 of "Illustrations of the
"Forest plants of Western America of
U.S." 1878. just received from
Harden. I manipulate that of that
plate is correct, the plant has

April 13/78.

Dear Gray

The Plate XI. f. 4. to which
I referred you in my letter of
yesterday is not the first
published vol. VII - but there are
unpublished ones about you
perhaps have not.

Referring now to vol VII - please
look at: Pl. LXI. f. 25. & you
will find the same decurrent
leaves to a thing called
Sesuvia brevifolia, Wier - Now
turning to Wier you will find the
figure of a plant with leaves
decidely narrower & c. petioles
(I have thought) as Sesuvia..

Referring ^{back} again to J. Lange & Dr. Hoffm.
Sesuvia (unpublished) vol. C. XI f. 4)

Comparing it with Herp's figures
of the same plant, I should say
that they have nothing to
do with one another. Do look
yourself.

Really some checks should be
put to this sort of work;
which is bringing systematic
Botany into discredit, &
Palaeontology into confusion.

Read any of Desquerraes
descriptions of leaves. I turn
up ~~the first~~ but the book ^{vii} open
at random. it is 2 199.

Ficus strobilata. "Leaves - - -
"broadly ovate, lanceolate, - - -
"rounded to the petiole."
How can ^{one of the leaves} it be at the same time
broadly ovate & lanceolate?

If our theories of plant migration
are to be based on such identifications
as Desquerraes' evidences I won't
give much for them.

My lecture at R. I. went off
last night - pretty well, &
the Scientists well received it.
I gave my notes & notes; but I
shall be very uneasy till I know
what are the points of it - all in
print.

Ever affly

R. B. Hooker

Thomas St. Leger

4 I also go with you in the matter of the
influences of James's fluviat speech &
Tennant's speech. (By the way did not
Nightingale find ^{cases} evidence of ~~Marine~~
~~Fluvial~~ ^{Fluvial} somewhere? Great Lakes - which
if it would come in with us vestiges of
the ~~Fluvial~~ ^{Fluvial} speech.

5 Of course I agree that Murchison's
insolent & I think even not com-
prehensions. F. Forster was the first to
insist on the wrongness of the
assumption that identity of organisms
in far distant localities implied
contemporaneity - I have somewhere
dwelt on this - but I cannot find
where.

No much for arguments, my
"Cheval. de bataille" is not ~~your~~ to be
overridden & made a "horse de combat"
by yours - now for differences.

1 Of course the later glaciation of the
Western half with its periglacial for the
superabundance of Crinifer, but it
with marvellous of fauna it. - for the
California Crinifer as a misnomer of

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON, W.

May 8/78.

Dear John
Yours of April 26th just
received & most welcome - I have
this moment concluded a brief
very dull relation of your Thomson's
life for the Zoograph Soc. of which
I shall send you a copy that may
serve for you to contrast with what
you may want for Fitticism. It
has taken me three days to complete
for I get slow & slower in the
matter of composition - I trust you
you read them.

But Herbert is sure my copy
but pretty well - he is making his
book over to them & cataloguing it
here for us. a grand gift.

I shall be indeed glad to see
the James again.
As to Cupressus macrocarpa, there

guess that we can grow double the
number of Japan plants that we can
in fact we grow nearly as - with
double the stand with us? - or Vitis
I-cubidale? or the European?

From the conclusion I am quite sure
that my war horse will show itself
to be what we become familiar with
in - paper - & for goodness sake
take care how you dwell too much
on climate -

You are far ahead of me - your
practical conclusion as to N. Am. Flora. & your
Japan Spg is the first really fresh
advance in Bot. Geog. since Humboldt
in the 18th. ~~cent~~ I have called it in
my Lecture, "the most interesting & satisfactory
special contribution to the science of Bot.
Geog." that is known to me". ~~The~~
~~most~~ ^{So} far I believe you ~~stand~~ stand
behind me - we must now both
dismount & drive over horses to the
front of the gavel. in one & seated carriage.

In yr affn
I must go now to Harding's
work. *B. M. M.*

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON. W.

British & Mexican types, & they are
the very things that would justify
invading the country for N. & S. and
mixing with ^{as} the tree disappeared; just filling
the valleys, & then mounting the slopes.
You would not give me a better
~~model~~ ^{model} of present plain evidence of
the goodness of my theory!

2. I cannot conceive the lava
outpour having any effect over an
area such as we have to deal
with - I hoped you had forgotten
that assumption & so I did not
allude to it - You have to do
with an area extending from the
Prairies to the Pacific.

3 Before attributing the absence of
the Pericardium trees in the W. to want
of warmer rain, you must show
1) that they but for this they ^{might} ~~would~~
have been there 2) that in those
countries there is any relation between
these two conditions (of rain & deciduous trees)
Now it appears to me demonstrable

(our ^{Savanneto} ~~Shamberg~~ vally friend), has
a smaller cone with smaller lobes
& has slenderer branchlets & far.

The male cones also differ. I am
struggling with you. I tried hard,
but in vain, to run them together,
I cannot distinguish the separate
leaves laid side by side. Our
J. bonalis (i.e. *multicaulis*) has
hardly any ^{of any} subulate leaves, at
least I never saw them.

Carrie & Harriet have both
muddled them through; but
they are hard difficult indeed.

Carrie's *J. gigantea* is a rather
Libocedrus decurrens I believe.

I send a list of our American
Cephaelis - the ^{varieties} ~~list~~ of *Larrea*
an immense & most curious!

May 20/76.

Dear Gray

My fingers are half paralyzed
with - writing - so I shall write
slowly & beautifully too!

The Synsphyllal Flora has
arrived & I am delighted to
see it. I like it - altogether -
very many thanks.

I am worried to death
with correspondence about
this ^{morning} opening of the garden
which is to be proposed in
Parliament, & am in
consequence besieged with
queries & bombarded with
letters. I wish New had never

been created! Smith is "in
Colonies" about it, & his brother
he will not be able to cope with
it. - We have the Garden open
last Bank holiday, & not a stroke
of work was done after 10 AM.
However the matter must ^{come} ~~be~~ on;
the Fortinbras will oppose it, as
will many of the advanced
liberals. The motion will be
made by (insertion) (St. Treves
Lawrence!) son of ^{the late} Mr L. of
Habitatual fame. (by the way
Fragran - I know him well - he
is ashamed of himself, but
acting under political pressure

being member for this part of
the County - I have brought the
matter before Lord Beaconsfield
who will be the "Whip" about
it. Noel (Mr F.C.) is confident
it will not be carried; but no
Minister should be confident.

I have given this morning about
the Cupressi. Unquestionably
Thuopsis borealis is nothing
but Cupressus Nuttalliana - we
have long known this, & our
tallies bear the both names,
(the former as a synonym)

C. Lawsoniana is very like it;
but certainly different in habit.
& color; we have hundreds of
both, very fine plants, 20 feet
high some of them. Lawsoniana

but none approach (nuttkous).

!

Stale News

MAY 25, 1878

See Cedar Point - Mans cache
such distinct in the other
very cult under the name:
the form is Lambertianae, but
I am not clear what should
bear the name - ^{overrid} ^{because} We were
told ^{in late France} of our ^{to} ^{of} ^{pres}
"growing on hills near Monterey,
as well as of that on the
Coast." - The Californian
"Cupressi" want Thompson
history with a letter. Of the
to where Warner's enclosure
is not due is satisfactory
diagnosed as to Moravite
in habitat.
I have seen much of St. James.

May 25 1878

American Capreolus 3
Hark. Vireo?

1. *Leucodreus leucurus*.

Thryx gigantea (arvensis) part:
" *Craigiana*, Oreg. Conn.

2. *Thryx gigantea*, Nutt.

Syns. *Lobbii* Hark.

Mengesii Dougl.

Mutelliana Dougl.

Thryx *Stansburii* Hark.

crispata } R. M. Ohio.
gigantea }

3 —

Phicote ~~*arvensis*~~
Var. *fortis* *oata*

" *erecta*

" *pendula*

" *compacta*

" *recurva*

4 ~~*Phicote*~~

occidentalis

Var. *Sibirica*

" *flayellifera*

" *crucoides*

" *dequantipria*

" *divaricata*

" *pendula*

" *compacta*

" *horreana*

" *hoeyi*

" *discolor*

" *verrucosa*

I am doubtful as to var. form of *Phicote*
occidentalis

5. *Thunbergia sphaeroides*,
Cult. - Myrica Luss.

6 — — *Laurum*.

7 — — *Myrica*
Myrica brevis,
V. brevis
" glauca.

8 *Cupressus lusitana*
(*thunbergii*)

9 — — *Myrica*

10 — — *Gymnocarpus*

11 — — *Myrica*

12 — — *Larix*

13 — — *Myrica*

14 — — *Thunbergia*

C. Myrica Luss.

Elevation of Seigneur, I took Minus
data, who lived in the Forest,
& whose absolute data are I
suppose as good as Whitney's.

I think you are hardly fair
to Seigneur, in saying that Whitney's
Yosemite book ^{contains} about all "that
is trustworthy" & collected &
digested.

Seigneur is my authority to the five
Great Peaks & the Big Ten Peaks
(12 hundred feet) see his note
which I quote - I have shaken
my cautions of his other
theories, but am not disposed
to scrub them - there is much
that is to me very mysterious
about the disturb. of North Big
Peaks. Now I should like to
hear!

As to Greenland, such content is
with you.

Jan 21/78

My dear Gray

I am extremely obliged for
your valuable criticisms on the
letter - which as you may see
was a too hasty performance.

I shall keep the proof book,
& have now sent it for review
with corrections to printers.

Now for criticism.

I never saw such Cherry in my life
as just outside Boston is a field
I drove by with Sargent. I have
however subscribed the paper.

In Michaelmas day read p. 100.

I have no modified hypothesis
about Smith & Agassiz as to
avoid counselling the British
Natural & to any exact science

I have absolutely extracted allusion to you as I could &
not thought of giving it - he seems pleased.

Int. Univ. when I got Auto costs:
I have called it Crest variegata:
the wood cut
to that time

Surely Quercus abound in the
Highlands of Mexico & thence extend
into S. W. States & into middle &
Colorado - Almost all the cult. species
attributed to
are Mexican I think, & they are
very numerous. I had used
Quercus ^(specimens) or Quercus ^(species) in alluding to
the series poraria. It should have
been Quercus & lactina.

— Grisebach (Fruit Ed). ii. 460 talks
of Quercus amongst other things, as
characterizing the S. W. ^{of Mexico} Region, though
he calls the Region the S. W. Region.

Pinus edulis ^{called} should be Pinus of
Mexican type.

You say "Darwin had not laid
before him when the fact of
my paper was read." - But

you quote Darwin yourself, & you
speak! - His paper was read
July 1st 1858, & published immediately
afterwards, & it quotes early
communications made to you in Dec.
on its substance. Your papers ¹⁵
were read Dec 14/58 & Jan,
11th/59; & Anderson's Supplement
is dated Feb 13/59. - I do not
know when it was published.

My Essay was read in June 1860.
I was quite unaware at the
time of your speculation.

As I suppose we were both
of us engaged at least
5 years / I commenced immediately
on return of Hatcher's Essay:
(1834). I thought I might
safely say what I did. Then
too you must allow for longitude!

over part of island. It is in July
migrate to British Columbia
Islands and theories of migration:

I think instead of your theory
parallel to N. St. Louis Arch.
my reading of ^{about} Japan inclined me
to believe that forests were more
continuous of one or few trees
in Japan than in S. N. America.

Bursera & Chrysomela recorded
in range in Asia. - How do we
know? may say not so not only,
in all N. Japan Island but in
N. China too. Whereas with
all your ^{American} ~~habitat~~, Balanus
you can find but few specimens
of some of N. Japan plants in
America.

I have but a note as to your
not recording in Davis' letter
change for British.

Of Greenland plants not in N. Am
I count 24 + 17 that are
characteristic of Greenland

of Scandinavia but ^{are} occurring
rare in E. N. Am. - & there are
various ^{Greenland} ~~many~~ ^{nowhere} ~~found~~ in America
but to be found in N. W. Greenland
against ^{all} ~~the~~ ^{Green} ~~the~~ ^{sub} 16 plants
of America
not found in Scandinavia. 12

Which 7 are common to all
N. Am. & have not ^{more} ~~at~~ ^{at}
characteristic of America, & two

or three are high Arctic only, & two
more for one total. per
first list. Reflexia is in
group of Arctic. I was

not aware that Draba rupestris
was American, or Salix
floribunda Greenlandic.

As to this the number of
plants in Arctic & subarctic
regions not in Greenland,
Senecio, Antennaria, Phacelia, Pyrola

characteristic of high Caucasus

Aster! Myrica; Schoenus, Rosa
Ribes, Phlox; Calla,
Geranium, Ranunculus,
Linum! Equisetum, Lycopodium
Parnassia, Bryonia, Nardus
Artemisia L. Pleurogon!

But the true English people are
not or nearly so Scandinavian.
I doubt much to make Greenland
money that, but having
regard to the ^{thinness} of
Greenland, ~~they~~ makes ^{it} ~~it~~
a ~~little~~ less ^{than} American.

And why do you think
not that 3 Galicians?

You call the American plants
European ones. But they are not
more so than the Scandinavian
Linum catharticum, Silene acaulis,
Linum catharticum,
Stellaria media

2 Alchemilla! Thymus!
2 Scorpius. Trichomanes (true);
Veronica Saxifraga Vicia corolla.

Desmodium, Antennaria.
Geranium rostratum! Nardus stricta!
Peristylus albidus.
Prunella tribulus. Helictes
hieracium nummularia alpinum.

What better could you have?
besides caries & prickings.
Surely you cannot say that this
is not Greenland & quite as
common as Scandinavian.
(term)

You ask "why 'Canadian'?"
because E. Forbes used the term

I remember right, & I
thought it good any how. It
is Canadian what is it?

I cannot satisfaction you idea
of Iceland having had much to
do with the old ^{old} Canadian term.
It is only Canadian & probably

not out yet!

How the Mr. [unclear] [unclear]
[unclear] [unclear] [unclear] [unclear]
the power of sending [unclear]
through it - as we are sending
to [unclear].

I have not time (& no case)
to discuss climate with you -
I am altogether heretical about
it. I look into about
[unclear] [unclear] [unclear] [unclear] I
have any thing more worth-
telling - I too had hoped to
gather C. groenlandica on the
tall slender mauve [unclear] [unclear],
but from [unclear].

Ed. Forbes does not point out
any [unclear] [unclear] of [unclear] [unclear]
[unclear] [unclear] [unclear] [unclear] &
S. [unclear] I think, - but of

under & J. India.

Granted it be kind of the
Volcanic spring [unclear]. I can't
suppose it was all a [unclear]
at once, or ever formed a real
[unclear] & distribution. I can
quite see the [unclear] [unclear]
would simply [unclear] [unclear] it
Volcanic - [unclear] their hair
singled here & there. -

I do not take this & [unclear]
[unclear] [unclear].

I should like to go into the
question of the distribution of [unclear]
[unclear] - i. the [unclear] & relation
to climate. I shall be interested
if it turns out as follows with
your [unclear] [unclear] [unclear].

But I must leave off. I am
printing [unclear] [unclear] with
[unclear] & doing a job for [unclear].

if you like the Californian but you have planted it - Californian
I don't like the Californian but you have planted it - Californian
I don't like the Californian but you have planted it - Californian

I have a lot of books for Harden
Loring but what with one thing &
another my life is tortured away in
troubles.

I met Miss Talcott two days ago
looking enormous well - & delighted
with her visit to you. She says.

I sent by post Cupressus Antoni &
Governiana - two days ago.

I write by post some of
what is called Governiana.
The most authentic garden.

I saw as a very good lecture on
Gray distributed to the Geograph.
In which is now printing -

both love to Mary & want
my paper joins.

Marsh is here. I have
invited him to 3 o'clock
with 1/2 price this week etc.

How as P.R.S. - my last effort to be agreeable!
It is a fearful job writing very badly. To 2/2
Shakespeare & co. - for my wife that is!

June 30/78.
Old Hooker's list: 61!!

Dear Mr. Gray

I did not like to express
suspensions about your direction
to the term "Mexican types".
I was on the point (I have in
part) acted upon it - but
on turning to your Dacrydium
p. 219. I find Miss Wepes
referring to the California Flora
types. "Their near relatives, when
they have any in their land, are
" mostly southward, on the Mexican
" plateau, or more as far South-
" as Chili" -

I should not have thought that
there were many Chili types - but

doubt - you have authority.

Do you not ^{rather}
understate the ^{N. American}

Element in California & the N. W.

& which is absent in the South as
Machaonia, *Pleuroia*, *Smelowskia*,
Neomyscus, *Oligomeris*, *Foukeella*,
Lavatera, *Fagonia*, *Eysenckia*,
Parkinsonia, *Prosopis*, *Aracia* (was
excepted)
This is as far as I have gone. I do

not weaken by this the N. American
character of the Eastern States, but
! think you go too far in not
alluding to them & thus that
indicate an affinity between N. W.
America & N. E. Asia of a very
different & feeble kind than the
^{Eastern States}
~~N. E. America~~ affinity.

What we need most to
want now, is the means of
comparing California with British
Columbia, & Colorado with

Dakota. - I should like to know
the northern limit of ^{the} *Cornifera*
too, do we know that of any?
except the Arctic one & western one?

Indeed it is rich in birds
& rept. & m. & mamm. & more
than N. America. Please observe
that N. America is far from
being a group in far west.

I did intend to send you
Mouquet & Nestler, but Oliver
is not content with the set -
the *Mercuria* - I should also
have sent you more *Phelipopsis*
of *Mydogenus* & one of my *Faltus*
but truly I have not found
time for any thing.

Most of all I am horrified at
omitting to send Reinisch a copy
of the *Kerpulen* paper with
his own *Fresh water Algae*. I
must repair this omission -

I must now buckle to at once
with Hayden's affairs. & send
you a stone. but really the
more I try to strike a compromise
with these mountain chieftains the
more puzzled I am. However
here goes for the Altai - we
must take what we can
call it a "talked talked" at
any rate. I have a heap of
books to send Hayden, but
an oven head & rain is
bothering matters.

Love
L. H. H.

W. H. H.

Thank Mr Gray very much for
his delightful letter which I shall
answer by soon - My warm regards to
all - Love L. H. H.

Sept. 1876

Dear Gray

Just back from Ireland;
& England, where I paid a few
short visits. I have gone off
Aug 27. & 16.

Can't imagine what you mean
by "The origin of man to the
species is as good as nothing
a year to my life". I agree
with you that it is a grievance

My house made Darwin's
conspicuous of the sea level.

Yes the order is all that
but the dream has horrid they
looked. Old Kelley died his
best. I'll chat. I saw at

185. The rectangles are not a base idea.

186 I suppose you are right. I thought there were more than 68 fossil trees & some species of 'mosses'.

186 at bottom, is the Red Cedar really western?.

187. In what respect is the Rocky mt. Abies Meryuini a peculiar form?

187. Are 10 from bottom. Surely N. E. Asia & N. E. America are not Antipodean!!!

188. Are 5 from top. Of the genus of trees common to N. E. Asia & N. E. America as you are writing "some are American but more not." - If you tabulated them ^{it is} all right as doubt.

189 I think that Liquidambar & Cedrus, ^{being} ~~at~~ Mediterranean basin

Sept 18/78

Dear Gray

Do you want African plants?..

I am reading your Lecture & going to criticize as you suggest.

1. Are you sure that the ^{Atlantic} America is almost the richest tree & flower of the flora - think of Australia: is it that the "me" you accept?

2. h. & j. would you call the Prairies base and slains? Why did not suggest these ideas to me.

3. h. & j. "the goes without saying" oh my beloved Gray - where will you go ^{that that says} when you die if you have been a very ^{hideous} French idiom. I will run it into a

popular fiction is a country that
speaks better English than English & I
- 4 Better of L. 90. is "the
it not rather too much to

say that climate explains the
density of the Oregon Forest. I should
have thought that the larger stream
available for the vegetation would
have favored a greater variety
of timber as in the Tropics. The
whole subject is a very difficult
one

L. 92 end of 3 paragraph.
I thought the R. M. had a good deal
of Spring rain - I suppose I was
misinformed.

4th Para. I suppose by "interior
West" is meant them of Utah
& Nevada, but it reads as if
it was the interior that of the
Rocky Mts. range.

perhaps can
discussion of the West is almost
for yourself &
certainly.

L. 94. I should quite hope you are
right in attributing much of the
~~scarcity~~ abrupt change from Forest
to prairie to burnings &c. - but, if
no, surely clumps & mts should be
found in the ground. I was
surprised to see how far
into the prairie clumps of oaks
or rather elevated sites were
continued Westward.

The absence of trees in the
Gangster plain of Nevada is to me
quite unaccountable. There they
have both summer & winter
rains!

L. 183. Cypress do not grow ^{all} round
the world is "our zone"

11th line for bottom why
"barely one Birch" & that "only
for North" we saw plenty of one
on the Sacramento.

I must go to Paris for a week
or 10 days at the prize giving of
the Exhibition. - on the 18th -

Smith is better - he had a
severe attack of Angina Pectoris,
as I think I told you. The Drs.
are both off to Switzerland for a
month.

The Madam Wedderburn is married.
You will see Mr & Mrs W. Darwin
at Cambridge before they start on
- That blessed old pile Monastery of
Abbey called Melksham to bid you
good bye. The James called, but we
had not returned.

By J. H. M.

R. H. M.

plants should perhaps rank as
European

192 400 50

I think too far
in August. I am sure that
the ground in the same
climate as Persia & Virginia now.

- That they had a temperate
climate is most probable, but
not surprising that of any one
part of the globe now existing
- I think you that our ^{species} ~~habitat~~
came last from the North,
but does it follow that they were
created there? -

The lecture is very interesting
& suggestive.

I have had a long talk with
Darwin about the post glacial
cold of N. N. America. He
wonder involves both the
the origin of the water as
necessary to account for the

absence of the ~~the~~ Carter
written on the W. side.
So we may ~~sign~~ up.

I have been comparing
the Moroccan & Canadian
Flora; the differences are
astounding! I know no one
of almost so near a coach
differing nearly so greatly from
that of the coast.

Conoclinium nudatum is
now flowering, it is lovely.
I think you sent the
seed.

The kids wh. about the
opening of the Garden is awful
& I am overwhelmed with

about & perambulation in several
of the daily papers. - I am an
importer, when work was more
drawing-room moments, written
for me by my father & so forth.
My whole life is held up to
ridicule & contempt - another
- & again I am an old jibber
who receives the taxes of the
poor & puffs myself up - in
word to that effect. - Lady
Kew is Kewite wh. of the beneficence
of the Hooker family! - he just
as yellow as I & shall be so
for months to come. Even my
murdering of Mr. Ryd is a job of
my own to Kew & never sent - &
Lupton was quite right - I
treated him as he did. "Tith is life"

appears to be very cheap! - How
would it be for ^{one} lot of our
Hibernian people to sell the many
copies as he can at the winter
selling price + 1/2 or 1/3 for carriage?

I suppose that at Dublin they
do not know such a disadvantage
the trade, besides being content
with moderate profits.

Ever affly yr

W. S. Hooker.

I saw Lockyer today who
gives our good greetings.

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON. W.

New Sept 23 77

Dear Joz,

Your Cuspeper Mannabensis
is quite right. I had my bad
specimen. But got good one
from Glasnevin quite agreeing
with yours & "californica Lobb."

I have good specimens of C. h.
Governiana for you⁺, also
from Glasnevin, agreeing with
those from "Woods near Mounting
Hartney" & Port New Glauk.
Its branches are very divaricate.
+ slender.

Have you Ed 11. of Gordon's Pinetum?

There are 11 of Californ. Cuspeper
C. attenuata, Lobb.

C. Governiana from "Western
" district of New Zealand
" within 2 miles of sea shore, from

Microscopic, of which I have sent you a lot of the 11. of Gordon's Pinetum. I am
+ this is totally different from the 11. of Gordon's Pinetum. I am
of the 11. of Gordon's Pinetum. I am

"a dense bush 6-10 ft with
"Pinner mucronata."

C. Sacramento.

C. membranacea

- *C. macrocarpa*

P. multicaulis

Shall I send them to you as
given to Gordon? *Gordon*

I have sent to Edinburgh, for ^{gardening}

Complete set of *Theraps. Gypseus* of *Armenia*

In *Glacensis* I found a very
curious one, utterly unlike any other,
raised from seed 22 years old taken
from Carter's *Verbena*! It had
never fruited - I have a bit -
In you.

What does Watson make of the
Farallone Islands?

I am told Macmillan
tendered about the sale of your
Flora - Doubtless cheap to Monstrous.

Yes - Imrya multicaulis is Laurenziana
 & is good for the tree.

No doubt. Targent's Thyophilus
borrelii is a Pteropus rus. Smith
would not agree to it, but I feel
sure it was quarona itself.

You would not believe how
poor we are in (Arads, Utah, &
Seward plants, but for our
collections! We have not a
trace of Hedysar ^{mont.} pubescens,
(which I have just received for
Not. Mag.) nor S. of Leptochloa!
None of boeckii nor alleganiensis

24th. I have just been to Mearns Hall.

They do not consider 36/ at all too high

2nd a 17/6 book. ! - My my

& deduct $\frac{1}{3}$ of selling price for trade

$= \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$ & this $\frac{1}{4}$ is not too

must pay advertisements, notes,
expenses, bad debts &c. Is me this

26th.

I have hunted up Patanthra
hyperborea & find that it indeed
is an ^{as European} hyperborea - it
being found in Iceland -

Your list of Ptili & Mues
Agave maia & maia : W. S.
maia & is a very remarkable
one for which I was not prepared
you might have added maia.

Can maia maia maia maia
have driven them across the
tropic?

maia maia maia maia maia
looking somewhat odd, but con-
sisting of maia maia maia maia
mounting.

I am very anxious about the
maia maia maia maia maia
consisting of maia maia maia maia
consisting of maia maia maia maia
consisting of maia maia maia maia

America Order. I can find no good
factual account of H. Altai. Repre-
sented A.D.C. was Grisebald as
good as Exponents of ^{Metamorph} ~~primary~~ ~~igneous~~
areas. - in fact A.D.C. is perfectly
correct. under that point of
view.

at the Rocky Mt. Region - & in the - Please
settle what it should be.

Pat. D. G. is my only guide to the
Flora. It has taken an immense
deal of labor & I may have made
blunders. The much more part is
1. The number of Altai (i.e. N. America &
Mant. & Rocky Mts. not found in the
Pacific Mts. 2. The number of
Rocky Mts. by the found in Altai but
settle not E. or W. of it, or
neither E. or W. in Asia. Fungus ^{by the}
having so many R.M. species & none
in Pacific Mts. 3. The absence of deciduous
leaved trees in Altai is a staggerer -
In the climate is only wet one, & I gather
from Presumably that there are more in
the Koko nor distinct, as there are in
Siberia which should be a drier
climate: it strengthens my impression
that it is not only to want of rain that
we must look for their absence in the
Pacific Mts.
I find no relationship whatsoever between
the country "in Altai to the West" & the

October 13/98

Dear Gray

With Saml & J. & J. &
away & much doing in June &
October, I am as you may suppose
very busy. Still I must knock off. To you
some matter for the Journal Report - I have
^{in hand} the Merveer Journal, which of course
published in November with love the
season, & my husband R. S. Aldrich which
is not even thought off of - I know in
Nov. May. I have a very large
Melancon drawing, & a trip to Paris
in the 18th to be present at the distribution
of prizes - which I could not get off, as I
have written assigned a duties as a
Royal Comdr.

I have given of Sept 27th with account.
I have bought the Gordon & sent for 1st
Lith. of R. S. (at - My name & together.
I have a note for (written the day before

you write - & I am out - He could
not come before going to Paris, so
I called at his Hotel yesterday,
& found him in his shirt-sleeves, at
5 PM. having just shaved! - He told me
that his mother & father had
just died, so he must run over
to Paris just at his leaving & return
at once! - He only however came to
New on his way through London - He
was delighted to see me, & I heard,
though only for a few minutes. If I see
him I shall be at his to do a "summit"
for John Kellogg.

I have a letter from Hayden to day
concerning a drawing about the
Colorado Report on which I happened
to be working - but no drawing was
made to it - My incident has a
share & he wrote under it.

I sent to Edinburgh for a set of the
American Compositae - young Balfour did all
I could but the best was a ^{most} ~~perfect~~
N. - only I shall, no come, & no

an ~~unfortunate~~ specimen. He's too bad. The
way the one noble collection of Edinburgh
B.G. have gone to just under Balfour &
Mr. Stab - the judge is simply a disgrace
to botanical or horticultural institutions -
& Morris is a great credit - Both Balfour
& Mr. Stab are breeding at just. I hear. I hope
the young man will get the Chair. He is full
of energy & knowledge. I shall send
you a set of N. - ^{in preparation} ~~Glasgow~~ ^{Compositae} -

Now for Colorado Report - I cannot possibly
go on with it for 6 weeks so I send you
what I have done - it is much but
the object - of a map of matter. I return
with it - you sup. After the most
interesting list of Cheli & B. Apes, genera
in N.B. & America which is very
remarkable. If you do not get it into the
Report you must let me have a copy
of it.

The contributors I now send consists of
A. An attempt to compare Colorado & Altai.
N.B. I hope you will criticize it - Prof. &
several names have been sometimes say
Only this of Colorado, & other Colorado species

See I like it. I have found each why I call it. Melanchthon by Luther. Luther
it is Lutherian. I had put it into my head that it was Lutherian.

Plains East of the Rocky Mts. now with
them & E. of there. That is not
shared by the Attai.

You say Attai to ^{California} ~~the~~ East with
Plains E. of Rocky Mts. And W. of Attai
"with our great interior area" - The
first I have done with 0 result. ^{Attai}
The second, do you not mean E. ^{of Attai}
you say W. - Be that as it may, the
map of Saline as well as the plants
seem to be in the Attai region, & not
E. or W. of it.

A list of Old world & Arctic plants.
Colorado herb. sub i. California. This
appears to me a very curious list. but
it depends somewhat on the accuracy of
the Colorado Flora. (Patten & Coulter) This
I under not carry beyond Watson's
Flora. Many fr. sheets of contribution.
C a similar list of Genera. which is in
some respects a remarkable.

Then lists appear to me to indicate that
the then Flora of E. W. & Central N. Am.
were not contemporaneous & computed in
established the glacial period, & had different
immediate origins.
- I had also begun a comparative
list of the N. American of Attai.

(For Miss Chapman) of Colorado, & ² ¹⁰
California. But it was

very tedious & long. I did not
of Leguminosae. I do not send it
as it may be of no use & cannot be
finished like 'Western' there is.

Now how are we to do it. I have
time read your sup. (returned with mine)
& find it excellent. I have made
a few notes here & there. I will
do as you wish further on later after
November.

So Mayfair has "gone & done it" as we
expected.

What a wonderful description appears
in the Times of the diamonds & of the
California Ladies. How (riches) triumph
there!

Yours Affly Wm. Hooker

I shall send the sup. by
Oce. Pacific Delivery or some quick route.

Others heeding reject my suggestions
but I am sure I did right - as all
anxious. & feel much relieved thereby
- To day I begin Salsolaceae & Gen. Pl.
to Newthorn's satisfaction, after arranging
the whole of the Cerifer in the Herb. for
Rev. & condensed collection.

1. What do you make of Abies rubra. in
hues of the Garden. but no wild
specimens.
2. I have thought that we got true
Juniperus Virginiana & Canada.
What are the two we got there?
J. V. jun. Nutt. (Columbia).
3. The cones & foliage of Cyprip
sent to Walter with I think the
of Swertia which I have
seen lots of cult. & it always
has divaricating branchlets, quite
different from any other. If we
find it must be C. macrocarpa
I am writing to Walter about it.

N^o 178

Dec. 1877

Sept 9th 1877 I have ^{Journal} noted in
both "Nuttall" & Alder, on "banks of
the stream which I crossed with
Sipson & Munn. I saw on our
way to get Parlapparia etc. to the
watershed of the Valley. This was
on the Sunday when you returned from
Kidd's camp. I noted them
both going & returning. I should
say they were black. I
think I told you of it & I do not
remember that you had pushed
any surprise.

There are many more than 26
trees: Tasmanian, exclusum,
plants of arborescens habit which are

not. becom 15-ft.. It is curious
however how few middle sized
trees are there, whilst the
Eucalypti grow so very big.

Annual fires on Prairies
should clear the stumps &
render them indistinguishable - the
Prairie is a great problem.

Cannot understand Englishman
making Red Cedar grow (Cherokee)
- he tells me that the huge
creatures which we saw on the
Silver But Mts, & with a gigantic
crucial trunk, is the same as
Juniperus of Colorado! which
ever branched to the base.

We saw several forms of Abies
Menziesii in Colorado, besides A.

concolor. We did not think the
the-glauous form of Green Gardens.
which we also have here. and
which I suspect takes no count
from Colorado. Yes - one white pine

I began this I do not Dec 14/76
know how long ago, when I had to
break off & take up the Address in
London, & it is as you wish to a
most laborious affair. - The hard-
ground of the whole & ^{into action} when I
had to wind up, & to start the
fund for redressing the fees, which was
my last reform. I retired just
a fortnight ago, with the address at the
House - & a farewell speech at the
dinner. Much goodness it is all
over, the going up was a wrench, &
I had to attach to the House the
Officers & the duties & Kebleton &

written to ask P.

The opposition over cutting a very
low figure indeed, & I am hearing
L-advise the Conservatives for
their pluck & for the independence
they take up to their
commitments. Whatever comes of
it, the war will be the best
thing for Affirmation & for
civilization.

We really have made a Colorado
plant but what we collected; &
some of the new species with which
you have from time to time
supplied us. Of course we have
many roads things from New Mexico

Mundo has been very ill, but is
better (disentangling) - he has suffered from
a vesicular affection. Her mother is
wonderfully well.

Wm. H. Hooker

W. H. Hooker

I hope I wrote to my mother & my

dear son

a dog or two

copies of 17/8

you both have

more than, we will get them

disposed of with pleasure at your

I fear that Marmillan understood

perfectly. but I wish try him again.

Harriet Lecture I thought very

well, I should have told you

I think we have but a compromise

it.

W. H. Hooker

Maudslayi W. Crisang.

Mr. Wm. Gray of W. McKinzie

you young lady who I am training

as an artist - (not the one doing

the R. Plants). & who knows

well. she is a sort of 2^d Cousin.

Mr. Smith. clever girl - &

industrious - now making bed

for Hon. B. Hall. I think I shall

We have no Vermont specimens.

have to keep her as a sort of Secretary
detest. We have an immense
quantity of sp.

McC. & some with ^{cells of} teeth similar
found as in the figure. You have
helped Miss S. to the copying of the
Colorado matter.

I am rejoiced to hear of the
finding of Shontie.

I have written a screed to
old E. & am. I hope he is not
breaking up. As to making ab.
Mengia of Nereis difficult for
W. Weston, it is monstrous. I
have been most carefully studying
it for a Mr. Lyne, a very & much
intelligent young man ^(at Elvaston) who looks at
residuals, etc. etc. & is
diffidently criticizing Engelman.
We are both satisfied that the
Colorado & Nereis are much as

It seems though the Colorado one
has ~~more~~ ^{more} laterally are proposed
leaves. The varieties in ^{our} ~~the~~ Pinetown
are most surprising.

Your box has not arrived
yet.

We are all well & looking
anxiously for the childrens return
for 8 mess. Wednesday. Scarlet fever
has been very bad & our
nursing, & we must make Joe
away for a few weeks & this
account. This is his birthday.

I hoped to have written to Mrs
Grey on the occasion - but have
too many official letters to do
up.

Playfairs are back, but I
have not had intimations of
them being settled yet, & I have

my dear ^{base} Hardier, justice
It is too bad, because the
Poor devil has no ^{Education or} knowledge
to deprive him of the credit
of all that has flowed
from his Surgery:— & after
all it is not a fool who
could have got ^{for} ^{the public} as
has for Science, out of the
East or our hand & his
Staff on the other—

Yr aff^l Mosher

Dec 16/78.

Dear Gray,

We have sold most of
the copies of your Flora,
& all but one of Fendler's
Form. You may send
more of the former.

You say you want
Mexican plants— treat

you the best ... I have

539 Sh. 21 April 1872

I hope they are not lost.

Can you get us the
Enclosed?

Hayden writes me
for the Report! -

Aspin writes to -

Hurly is a sore way
about what I said of
Hayden in my 1877 Address,
thinking that I am
taken in by our friends!

I do not care to correct
Aspin, but Hurly being
Sec. R.S., I would be very
much obliged if you could
give me your opinion, to
show Hurly, that I have

especially, without material help.
My expenses are ^{fast} in rising,
& Hugh's Polvere, who is my
Banker & Monetary Director, says
I must lay by more! I should
amazingly like a trip across the
Isthmus of California & then on to
the Groves, to Mendocino & so
to Vancouver.

I have thought much over your
suggestion of more names to back the
memorial, but I cannot think of
^{any} ~~one~~ who would be of the smallest
^{weight} ~~real use~~, except Franklin, now in India.
I really think that our two unsupplanted
names - speaking from experience & after
a visit to California, would be more
significant than a host of people who
are not interested, & who have never
been there. If you think, or find
that others think, otherwise, send
this memorial on by other means &

I will get backers & send of sorts.

I wrote to you yesterday, but take up
my pen again at your high behests.

Mr. Sullivan cannot dine with us
tomorrow - I have not seen her for an
age.

I'm glad to hear that you are to drive
& shall be glad when your introduction
is off your hands.

Your (of 3^d) ^{had} arrived ^(yesterday) this morning
it must have had a ~~red paper~~ ^{red paper}
with it - comes March's Report on
the Survey. The difficulty will be
in the Smith's case at which the
Geological Survey proceed delaying the
Geological & disheartening it.

I have just got the report of
the sale of the species of you Flora here.
It is 7 sh 2/6. I understood that
more had gone off.

Your criticism on a Gen. Plant is repeated
Shortie is not fair - you simply (I hate
incendos) took 7 sh 4/8, but I judged all
the description of the stamens &c. now if you

itself. The wilful waste of it
will be followed by careless waste.

Happily the preservation of the
Main ~~supply~~ of California, & the
conservation of its Forests ~~with~~ of
the Redwood & Big tree cannot
be depreciated. The desirability
of setting apart & leaving in a
state of nature ^{Red woods, & ~~mountain~~} ~~in~~ ^{large}
area of the great Southern
^{Big tree} Sequoia forest ^{especially} ~~than~~ that
dedicated to the ^{small} ~~northern~~
grove ^{of the latter trees} is universally desired;
but any attempt to isolate
preserve ~~such~~ areas. The trees
^{incircumscribed} ~~in~~ ^{such} areas, ~~after~~ ^{if} the
surrounding forest ^{is} ~~has been~~
^{swept away} ~~destroyed~~ will prove utterly
futile. Isolated patches of
Virgin forest in mountain

Decr 18/1898.

My dear Gray,

I think with you that it
is time ~~that~~ we jointly called the
attention of the Government & people
of the States to the disastrous
^{consequences} ~~effects~~ that will surely follow the
devastation of their forests, & those of
the Pacific Coast in particular;
& considering that this would
entail the ^{disappearance} ~~destruction~~ of the
primeval groves of what our
country the noblest & perhaps
the oldest trees on the globe, the
Red woods & the Big-trees, we
may be encouraged to hope that
our appeal ^{in favor of these} ~~may~~ ^{will} have a double
weight - ~~may~~ ^{the weight} to emphasize that

we indicate the Western Forests in particular as objects of national solicitude, ^{there} ~~these~~ alone ^{mainly} because these majestic trees are to be found; but such is not the case. We do so ~~primarily~~ on higher grounds; & because the welfare of the Eastern States is inseparably bound up with that of the Western, & because the latter States are dependent - for their water supply & hence ^{their} fertility, upon more restricted & more easily disturbed conditions, than are any of the Eastern States of the Union.

California is already famous for the number & variety of mineral & vegetable products which the Eastern half of the Continent she cannot produce. In the continuous supply of these ^{products} ~~resources~~, this State is

absolutely dependent upon the ~~continuous~~ & abundant supply of water which it now enjoys, & this supply is contingent upon the preservation of two strips of Forest, one skirting the ~~coast~~ ^{ocean}, which is the abode of the Redwoods, the other occupying the Western flanks of the Sierras, which is the abode of the Big Trees. & ^{deploring} ~~deploring~~ ourselves.

We have ^{ourselves} witnessed the denudation of these ^{grand} forests proceeding with ^{that} rapidity & ^{which} are unparalleled in the forest-history of any ^{other} nation & century; & which, if completed, will ^{if} ~~if~~ render that fair State the scene of ^{disastrous} ~~disastrous~~ alternating floods & droughts - which with regard to the timber

regions especially, never last
long. Unper- ^{tended from the}
elements they are soon
wrecked & ~~there~~, & then that
the elements share bearing the
burden of diseases & parasites as
sure as fever attack a
savage-smitten people.

In this case therefore the
greater & the lesser objects are
practically one, & their attain-
ment should present no
great difficulty & should
be at once attempted. That
which is accomplished ^{with}
European supervision & the
~~few natives~~ ^{malprison} principles of
the Indian tribes, cannot be
unattainable in the health-
giving grove of California.

What is required and is now
imperatives demanded
is the interests of the States
is a system of Forest-felling
by selection & planting &
repair up, under State supervision.

America regrets the absence
of such ancient monuments
as Europe possesses. It feels,
if she takes no heed, soon
be Europe's ^{request} ~~to join~~ ⁱⁿ ~~up~~
her own, that
monuments as grand & as
interesting as any that the
Old World can boast of, have
been wilfully & wickedly
demolished: the New.

Ever truly
J. W. Allen

This is the third copy - &
I can't make it better pray
deal with anxiety to be
wretchedest wife.

Aug 2/79.

Dear Mr. Watson.

I do not find in the
range of Amaranthus for
M. of Calif. which you were
so good as to send me,
Gray's Calceola floribunda

2081 / In San Diego - it is remarkable
for being so very few orders
I find any 2. but - doubtless by
way.

I keep up Eucalyptus, as an
the whole trouble. & Arctostaphylos
from Cladanthus. which I
put with Gypsophylla &

them which ^{one's} a sample
of Impressure is wh
The flower is not colored
in spirit. The stamato
business is remarkable.

I have now deposited every
series of my Thomas specimens
of Impressure, a new addition
to the collection.

1 July - Texas 589. The
my attempt to send material
of the genus Disparous, 2 found
in the strata -) much to
be sure.

Granted not 1 sub-
mitted to revisal.

By sending me
the above, under of the
new year.

J. B. Harker.

If one of my own I wish
always to be most happy to
send in the state of my
revision of Monodactylus series
Order as arranged to
for. I leave.

which has reached him to the
 last state of weakness - You may
 suppose him anxious & harassed
 I am, & what "Gardes" work this
 throws on my hands. - We hope
 he will recover ^{from this}, as he has from
 previous attacks - but this is the
 third in 3 months! & by far the
 worst of them. & the result is quite
 doubtful - He is now fed by injection,
 We have had the best medical
 advice - & there is no doubt - but
 that he will be carried off suddenly
 & before ^{very} many years, at the longest.
 The agonies of the disease are indescribable
 he rolls off the bed on to the floor & crawls
 like a scuttled snail. - & his heart goes for
 days together like a if a live rabbit was & his

but you agreed to this & you
 with me that more was impossible.

July 6/79.

Dear Mary

I have your postcard -
 you have paid for the "Gordon's
 Portraits" & have nothing
 to pay for the Anti-Sl. Papers.
 You must give me a hint
 what more to "pencil up" for
 it yet. Within the last

12 months I have written an
 Anti-Sl. paper & a notice on
 the subject. in p. 211.

R. S. Adams. R. Aschmann,
Lecture - ~~These~~ ^{These} supplements to
the Maroccan-books (which I hope
you have received) & the
matter already sent for Garden,
which cost me a regular
counting up of Siberian Flors
& the Californian & piles of
tentative tabulations. -

Now I have left to work again on
Indian Flors & Gen. Plants.

I did want to go ahead with
that. I thought that the
body of your ^{excellent} ~~interesting~~ ^{Septuagint} ~~interesting~~
together with the ^{dark} of the old miscellane book
& the matter of which you
sent me the specimen, &
which I understand you ^{could} ~~could~~
group up at will - would
have together filled out
the Report - - I'm sure that
Irish material ^{known to me} would be
a supplement to the ~~Flora~~
Flora for Brandege.

Now too I have Smith's very
ill enclosed on my hands: with
angine pectoris & subsequent vomiting

JAN 6 1870

PS. I have bought a
Gordon's type specimen of Pine, ~~the~~
~~same~~ ^{from the} - on my own book, as
we have been haunted our grant -
Jan 21. including a copy of the
Pine-tree Ed. II. which I shall
send to Sargent - This is a very
fine collection, but I shall want
to tell what the New Museum
does not want - (a large proportion)
Can you stand any thing at all?
The British Mus^m. should have
bought them - they would have been

would ^{be} ^{to visit} ^{the} ^{man} ^{there} ^{who} ^{came} ^{out} ^{of} ^{the} ^{road} ^{on} ^{your} ^{old}
"Goderio's toes" & the old fellows would
not then know like them leave them
grate coffee that; then that they
should go to B. R.!! - The old
man is in his dotage.

Every ^{species} ~~single~~ ^{single} specimen. Not
 lower an ^{largest of all} ~~larger~~ & bracts, collected
 or almost (perhaps altogether)
 included. I do not think it
 goes into *megala*, at least we
 have no specimens.

Then with regard to the Rocky
 Mts species we have

1. *P. concolor*. I find no specimen
 from here Nevada & feel sure
 that Engelman is wrong about this.
 we have it from Fremont (8-28)
 La Veta - Pikes Peak Mts. Harold
 1. Colorado, Engelman.
2. The ~~one~~ we gathered down
 at Manitou (on this *subalpina*?)
 2. Montana. Mts. Harold
3. *P. subalpina*, more like *magnum*
^{concolor.}
 is closer than *subalpina*
 Kew's cubic. Leaves often *ovate* & acute!
 2 side of cascades ^{or is *transversalis*?} ^{at 6000 ft.}
 Crestone, 9500 ft. *transversalis*
 Leaves small & scales rounded.
 Bracts with 2 lobes & sharp cusp (but
 we have others)

July 1/79.

Dear Gray

I have had another
 fight over Picea with the
 type of which I have spoken
 before. (Barre's head man
 at Chauteau) & he has proved
 my *idea* considerably. Though I
 am as yet not clear as to
 all the species.

Gordonia specimens, which are
 raised to *Pinus* & *Abies*, have
 been some help.

1. *P. amabilis* Dougl. This from
^{at Red Hook & Gordon}
 Douglas's specimens, is the coast
 plant which extends from
 Mendocino to Vancouver. It is
 very black, with leaves broader toward

The tip - hairy brambles & a
small cones.
We have plenty
of ^{live} plants
at New -
district from
they are sent.

2. *A. grandis*, variosus, Lowrance.

There are two species under these names, but I do not know how to distinguish them by - nor have the names changed so - none of them are nobilitas. My father founded Lariscarpe on a specimen of Joseph's - which I have no doubt D. intended for grandis. The bones are pretty strong & very heavy to my touch. - it is a short & broad thing named I think then that called Lariscarpe in the Gardens, & about our field. introduced by Lewis & is also called serenaia: but I do not set it.

3 P. Louisiana (Louisiana Port)
This is the first we got to abundantly
I do not find it from Walling
Oregon if it is so far, I doubt
if Douglas ever saw it. - We
found it all along the range
from Calaveras to Shasta. &
so have others, The ~~series~~^{trails} are
always included:

3. P. nobilis - with Erected Cay-
replaced ^{bracts} ~~leaves~~ - from region
Antioquia. This one needs less;
in crowded ~~the~~ foliage ~~with it~~
resembles Magnifera ^{arabica} but the
leaves are always flat & grooved above.
5. P. magnifica, the most distinct
of the lot by far! & the only one
you may infallibly recognize
the leaves being ^{groove} sided. with
flat above with a ~~groove~~ - I
cannot decide how one
mislooked a character so obvious in

There are but crude identifications
as yet. I have the American
European such before me &
am having all the specimens
rearranged in the Museum - under
my own eye. - I have turned up a
whole lot more in the Museum
drawers.

Another Shantia, I have written
2 Decisions for your paper as
a proof if not printed off - such
for my own notes but to see if
you have referred to Maximow's
second paper. Our late Japanese
arrivals are amongst the huge
load of things not yet introduced
that accumulated whilst the
new building was in progress. I
will write again when I see
the paper.

I am so glad that you like my
last R. S. address. It was a sweetener.
So to I get the Smithsonian

unipolar map - I will study
very.

We do not

~~trust~~
~~trust~~ me

x about the Reticle. I have no
x suspicion of error at the time.

ask Sirion - the what was the
gully we crossed going up to
Darlington - Some ~~one~~ has sent
in the Calif. Nat. Journal with
ask of new? Darlingtonia.

Yes I heard of it from J. S. Sargent

then.

I wrote "peculiarities" not "peculiarities"
imitation of Lear who delight in
out of the way words.

What about Hayden's report?

He has found one to the left of
but Egan to the right of
at the mouth

by the way

W. M. W.

Chas. J. Davis, collector of the
I have in fact - then, who is the
Museum of Natural History,
London, & Washington.

Analysis is to accept -

Am in haste
Wm. H. Miller

Wm. H. Miller.

Remember me with me
about your paper & go back
to me.

February 27/79.

Dear Gray

I send you your
map of Shute's & proof, having
told Occasional that I would
do so, asking you to return it -
to him with an appreciable cheer.

You have overlooked Mearns:
Mearns' description of the condition
of *S. unipuncta* (Mearns).
Mich. Acad. Sc. Nat. Hist. 18 450
(1874) founded on specimens of
the very M. Franchet to whose
collections you allude as being
containing it! -

This description will somewhat
alter your species character

as to the author! -

Was not your article very
quickly written? I do not quite
like its going to the ^{great trouble} readers
of ^{as from description} Science. I think that
Maximilian's papers should all
be ^{fully} quoted - you quote only your
own & too brief. (Should have
been!) (

Then again the sentence
about the repudiation of the
American planet is clumsy &
hard logical it begins by
implying that the del man
forced it, & winds up by saying
it was his son.

Are you clear about the

purpose of a tribe Galacinae?
I thought Bernieria went a
long way to an intermediate
between Schepvot & Galac,
& all its characters are not
yet known. This presumption
of me to write you is on your
own ground; but I should be glad
Mr. Chisholm to produce more
Galacinae Dispersa & perhaps
write even ^{all} the tribes & subtribes

Thank for the flower of
your Sharia, it is my friend of
you. I think I can read the
flower of S. rufiflora, but am
not sure. I think we have lots.

I have picked Prose! it is
next door to Rodete of the
Hemalops. Batis beats me
& must remain Batis. I may

a bundle of R. Br. - The Embryo of
Sypharum is nearly straight on one
side of the fruit seed - a very
anomalous character in Chenopods.

I am deeply sorry for Cunningham,
I should drop him in line 2
unhappily.

I hope that Hayden will
succeed. I am writing to the
President & sending him copy of Address.

We called on Mrs. Plafain last
week: they are still at a Hotel their
house being furnishing. Her sister was to
be a capital box of plants & fruit -
some of woods from her & August
has just arrived. May thanks.

In Gr. affy

R. W. W.

Mrs. Plafain has just sent us a fine
bundle of America Verrucaria

From Murray's leaves, further delayed from
contacts as it grows, that is.

Sept. 3/79

My dear

I can do little more
than thank you for yours of
14th & 17th. Just received.

I much learn Shorter & Co.

You to consult my blunders

& omissions - I do not suppose

I could have been the

1874 pack of Mrs. Rich. when

I did the order the date of

Vol. II. Aug 1873-76. - I have

however no time to think of

anything but poor Smith's

state which is my bad &

there is no saying how soon

The bed may come. The supper for
Mustering of the ascending ducts
& dilatation of the heart; also we
suspect an increase of the
abdominal ducts. And to this
constant derangement of Liver
Stomach - The organs of the
Anus are painful; he sits on
the bed on to the floor & keeps
his chest against the floor. &
this is followed by 12-36 hours
of constant vomiting. In the
mean time further abdominal action
is going forward & the
fight for ^{earlier} opening of the Sphincter
is coming on soon again in the
N.Y.C. in measure which of.

Carried with respect a complete
reorganization of the intestinal tract
shutting it as the footing of the
Public Parks. This was
difficult enough to keep order
amongst the filthy gamins of
the Universities, who are sent by
their parents to "be out of the way"
& the public-sphere from
London, was paid in the
measures disturbing shot, & who
would be for hospitals &
Reform Parks if it was a possibility.

This morning too we hear
that Pippi has been ill at
school since Wednesday last, &
my wife has started off to see
him at a minute notice.

Thanks much for Suckley; I
have been grinding at the Chesham.
- they are dreadful. fancy my spelling

he greatly respects & admires, &
^{criticisms}
which, I want to send to E.

I shall write to E. & making
no allusion to having seen his
^{to you;}
letter, tell him that I have,
after going through all the new
material as above ^{of}
specimens, ~~with his~~ ⁱⁿ books -
~~tried them without~~ ^{perusing}
ignoring him, & I have found
various ~~satisfying~~ ^{satisfying} only to him, but
not on all points - E.g. I
cannot reconcile our Piense
about with the L. St.
concolor -

My little boy is better. He has
had a most attack of continued
high fever, headache & forehead
& neck, with a map of petechiae
on the legs - & is much reduced -
The doctors cannot understand it
- unless he is in a most healthy
place - Margate. My wife goes
again tomorrow to the train

Small continues desperately
ill & his sufferings are horrible
to witness - I feel quite
broken down. He has been such
a friend & my source of re-
word.

I am conversing with
Walter about Gnephods & post
cards. - I am busy with Sarcobatus.
Rippl I cannot make out the
^{hyaline}
peruensis - & the old supposed sharing of

In the face of it - Wimmer ^{thus} is to our
relying Brown's Budnaga, & replacing
Hemiphyta, though the description ^{of Budnaga} was
so unrelated that it referred the
plant to our ^{genus (Hesperis)} Hesperis & from another
Moracoidia. In "Gen. Plant." I suggested

In Clifton I am working for Mrs.
in the mean while & save the
chain to the picture it has not
been since my father's time.

Mr. Hal is his present, a man
who will never do anything is
a teacher. a little like Herbert,
& not a gentleman & feeling

I have just been re-reading
my father's "Island": what a good book
it is for its day & written chiefly

from memory! How much in it
remains the same groove (hand
here here). How I wish he could
have seen Goswami.

I am awfully in Sargent's
club - & have heaps to write
to him about.

With much love to Mrs. Gray
from us both. Love
J. H. H.

J. H. H.

-going to keep the "Gleaner" with District
if I approve: viz. I did not, asking what
chance as the orchids - I assumed that
I had been up since next year - & the
hope that the "Gleaner" would go on - &
that he should do some orchids

because 1 of the numerous literature, which
he at the Hab. would send out - viz

say I could not hear & I. because he
complained & my overweight
as an old Generalised by him would
carry a great weight. So if he finds he
then I shall have done a public
service - we have had long
discussions over Comique, & I like his
arrangement better than mine. I had.

My thought the Foreman's Grouping
very faulty.

You did include Carter's Fene in
the last list (p 20). - as you
have not kept to copy I will send

I want pictures such,

Sept 16/78

My dear Gray

I have only returned
yesterday for a month's visit - to my old
Indian friend, Sir J. Loe (John Loe C.
is Mrs Strachey's sister & very unlike her)
a Peperoni - who ^{had} most hospitably
asked us to bring the 3 youngest children
here & to camp with us! The
weather was excellent but the
country bore, & we enjoyed the
great country life immensely.
The house is a fine one, on the very
bank of the Forth, some 5' West of
Dunfermline & 20' East of Stirling.

Young of Aug 15 & 20 followed me
there - with Mrs Gray's most capital

Journal - What a narrow escape
you had!

The narrative of
it made me
feel queer for
you both. I have sent it on to

Dear Church, who however may
not yet have returned from the
continent, whether he was going
just as we left for the North

As to oxybaphus it is clear to me
that I have been. Have put it -

in Mirabilis atca - That is the
best solution. It is too late to make the
change.

Yes the hail storm did frightful
damage, & the labor it has

entailed on all hands is grievous.
not merely, the ^{movement of} damage done to the
plants, & the great difficulty of
storing them away during repairs,
but the labor & worry of getting the

repairs efficiently executed by contractors
not employed by ourselves, & the
superintending of so many hundreds
of painters, glaziers, carpenters &c, many
of whom are idle, or inefficient, or
careless, & most none of whom
care a cent for the plants, which
are indeed very much in their way.

I am sure your hand feels
my absence. I got on pretty well, but
there is still a vast deal to do -
& there are frightful acres of
unrespondence to work up -

I find Herthorn wonderfully well,
& busy at orchids, figs & plants, at
my solicitation. We have already had
some long confabs about the General.
When in Scotland he wrote some lines

Copy to.

May 26. / 78 Mr William's check \$	26.25
Sept 26. A. W. Curtis paid -	20.00
Foster's Farm	7.50
Fright. to N. Y.	75
April 28 / 77. Curtis Jan II.	20.00
	<hr/> \$ 74.50
- Repair - for Road	50.00
	<hr/> \$ 24.50

What a delightful course you seem to
have had in the Virginia Mts. Mrs
Gray account of the Sunsets, & the
Kalmia & Rhododendrons made
by mouth water. I should have
so much liked to have seen the
Abies, Piceas & Spruces of that region.
By the way I am so glad that
you have witnessed Northern to
North Abies & Picea distinct. I failed
in the attempt, though I used
your argument (Adams & Lamb)
Lamb & Grassie, have you

any suggestions thereabout? just
have the benevolence to glance at
A.C.E., & let me know if any of
suggest itself to you. Now I wish
I had time to work over and
Kerlan do - but we are getting
tired with administrative duties;
all the Indian Museum vegetable products
is coming here, with £2000 to enlarge
the Museum, £2000 from an Indian
contribution to be housed by Kitching the
Indian collection etc. reporting etc. &
the stories of one of them ^{and pensioned} officers, the
Cooke the Fungus etc. - who are ^{from} ~~at~~
in charge of the Berkeley & other
Fungus Herbaria.

With love to the boys

Chaff

W. H. H.

now take up Palmer. Newman is
deep & reliable. He will do them
well.

Oliver birds can tell you there is
already a Leptochamus & Compactus.

I am so glad that Engelmann has
done your American Campers. I no
doubt will.

We are tremendously busy in the
Garden, still as it is disorder though
the Hail damage & talent of the
workers required. Now too the
Indie Museum respectable products
are on the move to us, what will
require a complete rearrangement of
all the ³ Museums just as you have
had got them into lovely order. -
(a 12 months work) - Smith is
much impressed mentally as well
as bodily & we are often in great
difficulties - He has been some time
in leave. - He returns the 10th Jan

Feb. 28/79

Dear Gray

Thank you for asking Mr
White & Mr. Munn to send you
the long fragment of identified
wood - It exactly resembles
what I ^{say} found in Tasmania & a
large tree - both in respect of
the beautiful apertured center &
~~characteristics~~ - like cortices -
particular - I happily kept to me
some of the latter for microscopic
purpose & have sent a piece
to Mr White & return. I
hope.

Thanks too for the sketch of
the sketch of "always" (sic) sign!

which I shall write to Mrs
Gray about. I shall push
it in my forward.

Mr Skinner will take care of
Antoine & a copy of Ed 2 of
Garden's Principles.

I am rejoiced that you talk
of England next year. I would
go to you if I could have left
Kewthorn but that will be
impossible. & both Gen. Plant &
Hig. make prep. heavy upon
me with the latter I am & the
middle of Rubicula & just done
Hedysidea - I have not much
to utter from the "Genera". really
from the "Antis" partly over
I could not do better than
keep up as I do Hedysidea, Glendora.

the & Antis. - I however bring
allucophanie & Frysonia into
Hedysidea. & keep them up. The
first ^{solid} 4 independent were
with bare ovals, & much seeds; the
latter for its influence & carries
to cellar over, with solid great
ovule & only 2 stigmas! - Kew.
The fact is that Hedysidea may
be knocked into one Genus without
violence - & to my way of
Subsides - Rather when sets are
his systematic notices out of the
keys to the "Genera" - intends to
reduce the Rubicula to 200 Genus.
- a very easy job after the characters
of the 330
have been worked out by others in
the work done as he has other
order without looking at the specimens.
In the "Genera" I have
just finished "Ecclesia" & much.

having then learned of the
Museum! - You will be
astonished with the
Museum when you
return to England

sure to do his best. But I do not
expect much more work out
of him. & I shall never
set another so useful a man.

There is a lot of having a garden
for medical students, in which under
proper restrictions they may plant
herbs. The Indi House gives
£2000 for a portion of the large
Museum, & £200 for an annex for
herbs. The transfer will bring
upon us in perpetuity.

Miss North offers to give us her
paintings of flowers & botanical
subject & build a gallery & then
at a expense of £2000 - To show
flowers & the labors of administration
increases perfectly. If I could afford
it I would resign & work at the
Herb. like Kew! - What an
op. Mueller & not to be content
with his post as for the Botanic.
with £800 a year & a chance as

a Gerontogee
~~and~~ ~~the~~ ~~world~~ is visiting ^a ~~the~~ Neveles.

I am delighted to hear that Farlow is
doing so well, I wish I could keep
up a general knowledge of Cyprianian
History, but I feel, like my father, that
I am daily getting into a narrower groove.

Westman & I have talked long &
much over the review of your, Street
& Humphrey History, - but the position that
neither of us are competent to do it in
practice - & Dyer is retained for it
by "Nature", & no one can do it better.

He is up to the mark, which we are
not. We will help him all we can.

I am astonished at Playfair "breathing"
you to spoon victuals - he cannot but
know that with scientific matters
you are week & week with us, ^{in the matter of great men & families - general culture} ~~at least~~

Perhaps we have no such man as
James "the meter physics" amongst us,
or better chemists than you have.

My ab means just as down for
a set of 16 (royal) plates. The W. below

Nov 28/79

My dear J. J.

You may guess how glad I
was to get yours of Nov. 10th when
I told you of a frightful scare we had
some 12 days ago - a telegram came
to Dyer from the Office of State, to the
effect that you were reported deceased &
she was asked to send a biographical
notice of you! My heart-beat at
about six o'clock ^{arrived,} & I came down in a
funk every morning fearing I might
find a letter to the like effect on my
table. Still I feel sure that Farlow
or Watson or Sargent would have
integrated to me.

Well, all's well that ends well,
I am delighted to hear that the

-book (I forgot the name)
Coripectis is imperfect - It was, as
you say, Gordon's City & took for
Gordon ^{his} was complete! I am sorry
that I sent it.

We are very busy with the India
Museum collections, such wagon loads
of trash, boxes of cotton, sacks of
civins, heaps of fibres, that have
never been opened, showing a
wreck of the institutions of labor money
time, & all for nothing. - No wonder
the Indian Govt is disgusted with
it - We are distributing largely &
shall have many holocausts beside.

I don't think Newman's
suggestion of the dist-theory of the
Gospel. Church is a very serious one
with him; it is quite beside the

mark. - You will be interested in the
Wards were such a the Embury ^{fragmentary} ~~see~~
vehicle - to be published in Linnæan
By the way, that blessed body (the Linnæan)
has got in a nice mess - Allman the
most charming of men has proved the
most useless of Presidents, & whether
Officers nor Council do their duty

Nevertheless, I am doing the work of every
Office myself, ^{for so many years} spitting them all! They
are crying out for me to take the
Presidency, but I certainly shall not.
Now I never should with such a
lot for Officers & Council, ^{as Allman has got round him.} Croney is far
the best, or rather the only tolerable
one; but he is immersed in his legal
business, & has no time to attend to
the Linnæan, ^{lives at Blackheath & does not}
^{much in Scientific Society.}

Yes, I will try & do the comparisons
between Linnæa & Arct, about which
I have thought a good deal. &
which is I think my instruction. I
will also try the sketch of what strikes

Norman. Prior is working away at
the "School of Mines" (Physics, ^{these} ^{quarters} ~~the~~ ^{of} Biology) & Geography, and Algebra
Mathematics &c &c for the Fourth B. Sc.
班 of the L. University in July next
- a very hard thing indeed - He has
fair ability & fair application; & as
he wishes to be a Chemist, it is of the
crucial moment that he gets the
B. Sc. of L. U., which is a long way the
most honorable degree ^{in Science} in Britain.

Reggie does well at school. Francis is
at a small school of 3 girls at Wileford,
very happy. Joey is a very forward child,
a regular infant Hercules for strength.
— a sweet tempered boy, & has a keen
eye for plants

Now with kind love to Mumfrey &
which my wife joins & regards both friends
Love my dear live pray

Wappen

B. Baker.

Hands are miserably it to know -
I have often dreamt of you &
I waiting & back at the
mountain peaks of our land as
Dominica, (perhaps a century) - I wish
we should easily buy 100 new & good
things.

saw none - & not any did we see as
one half baked ^{ones, but neither}
did we see any ^{in the Sierras}
like the young concolor which we
have ^{growing} at New. - or like the back
of concolor which Manderson sends
from the Rockies. We got magister
abilis & grandis in the Sierras.
concolor (& subalpinus ?) in Colorado -

Newman's propriety will with
injustice; it will be a capital work.

I suppose that Watson will overlook
Rabie's Liliaceae, ^{for the California Fl.} he seems to me
to have made an intolerable mess,
removing Calligene from Luzuriaga!
(into which latter genus he, following
Kunth, puts my father's good Calligene
holophylla) into distant tribes!! dividing
the tribes ^{of the genus} of both wrongs
& omitting Phyllis & Luzuriaga
altogether!!! - The whole group
must be worked up again.

I should so like to see your new

Libby & see it! Do you sit there in
the evening with Mr. Gray?
The R. S. meetings have begun again, &
I feel quite lively out of the chair, where
I do not ^{ever} forget Spottedwood - though I do
own to looking back to my Presidency with
great pride, & I think I may conscientiously
add without self-esteem -

We are repressing all invitations &
living as quietly. My wife has taken
to completing the catalogue of my
father's correspondence letters - an
affair of 44,000 letters, that has
dragged on for now 15 years!

Robt. came at the other end of
deposited at his house at New.
Unwinded himself up, & has been in bed
with gout ever since - I am always
alarmed about him.

We are all remarkably well. Have
you heard that Harriet has given me
a son - some 3 months ago. - She is not
strong, though not ill. Charles is
looking out for a practice at or near

Valley as "Reluctant to the Field Force!"
an appointment that sacrifices
the African campaign! The
India Govt., intimation to me,
sends Mr Brown with orders to
not himself send my directions
to say whether he should be
employed in England & sort out
the collections & if so whether
he should be appointed to
H. I. I am sure it is a disappointment! -
This is all I think in India
but never a reply sent to me!!

I have however a communication
in the same subject from the
India Office here & have
understood that Mr
employed 3 months (he wants
last week of April to October)
in name & substance as

Dec 9/79

My dear J. G.

A box is being
despatched to you addressed

with 44 specimens of Ceres
of which 33 are Gordon types -
I wish I could think them
of "invaluable value" - but
as Gordon's types they will have
I hope a value in your eyes.
This book is a bad one at
the best: & all I can swear to
is that the names are his.
I have added a few misprints
including two *Macrogermus* &

center & Cypripedium puberulum.

Please let me know soon.

1. Do you want more Cypripedium,
Anem., if so I will have them
collected as they grow at
Kee - our collector is now
quite sure. & they please
you.

2. Do you want to see of
Indian named words? We
shall have duplicates from
the Indian Museum.

Perhaps they would be more
useful to you.
When you kind, let me know

What soon as we are anxious
to distribute the large mass
of duplicates.

I suppose that you do not
want duplicate Conium maculatum.

I have still to arrange
& distribute Gordon's dried
& pressed of Conium - of which
the first set shall be to you -
that as much of them as
Gordon trach, they may be
more useful to you.
The growth see to when
they come.

Dr. Hitchcock (of the Indian
Army) is here with his dried
collections made in the Himalayas.

Collection. The Museum has
10000 Shells (say 8000) &
has also of duplicates
& excellent specimens. So you
may rely on a fine lot.

Thanks very much for the case
which arrived yesterday & is
under Oliver's charge. When will
report upon it.

I have no news, we are all
well except Joey who has a
cold & cough which keeps him
in a chair most of the consequent
irritation. The weather is much
detectably ^{on the ground} colder & darker with
light snow & then very for
15° to 33°F.

Ever affly Yr

B. Brown

Aug 9/80

Dear Gray

Before sending the
Mongrel & Vertebra Strip.
Clytly (which I have brought
from Schenck & with to
present to Farkner's laboratory)

I should be glad to know
whether you or his Dept.
care to purchase any of
the other ^{collections} which I have

taken off Schenck's hands
with the Myelogram Skeles;
& which I offer at the

price I have paid him
for them. I enclose a

a list. May the such
things that there is the
smallest obligation to
take any - there are plenty
of purchases of such things
at double the prices.

I do not want to make money
of them, but if I sold them
2 strangers I should. Just
a just price a dollar &
reimburse me for sundry
expenses connected with
this Schimper purchase.

I will urge Kuntze to have his say
on the Taxonomy & Phylogeny of the
Ternstroemia, if even so short.

Thanks for trying to get our Jamia
of Florida. -

I am still at Indian Rubiacen &
have just done Psychotria. so I am
well on. - I find that the work gives
satisfaction in itself, which is a comfort.
Clarke is busy putting the Compositae in
order for me to describe, after which I
shall let him go on.

The last sheet of Gen Plant. (Gymnosperms)
is under my hand. Kuntze is
1/3^d through Orchidaceae (in 4 months).
He is active on the opposite page
has arrived with a collection of some
few species. - He returns at end of July
after distributing his plants of which
you shall have a good set. There are
many new species.

Perrin of Liam is here with large
collections of which he will give us the
best set. - He has Squamellae with the
Garden de Plantes. -

Aug 14/80

My dear Gray

Though late in the year
I pray accept for yourself & Mrs
Gray, my wife's & my own most
heartily good wishes.

The Apples arrived yesterday
Delicious & well nigh. fine fruit
& monstrous good, though sorely
bruised. You ask what I have
paid over & above what you have
paid for me (0.15.0). Just 7/1
to the land me is about 1/1
apiece after repaying the helpfully
bruised. The custom of sending
apples in barrels without packing
is destructive. - My have all large
barrels & packing paper. I shall

begin the price of purchasing
Cirent Garden Market &
compare. Now let me

Thank you & Mr. Rep most heartily
for your kind trouble - I do enjoy
them immensely & have distributed
2. Oliver, Harriet, Smith & others
as to comparing them with English
Apples, (when there are any, there are
none this year) it is impossible.
We have nothing the least like
them, any more than we have
like your Newton Pippin or others &
Cirent names, all are sweeter, & far &
more juicy than any Apple we have.
So also I suppose you have nothing
like our Ribston Pippin or Monarch.
It is impossible to say that any of
them are better than the others - what
you best as regards is, is the uniformity
& abundance of goodness - So too with
your peaches, we have only a few &

very costly good peaches, & I think the
best of them beats any thing you have.
but for ^{your} abundance of an excellent
peach we have nothing whatever -
Last year also the fruit was bad, even
strawberries - So much for the palate

I do not understand from you that
Gordon's Pine Apples have arrived - if so
I think you offer too much for them -
but do not think of paying any thing
till I send the dried specimens -
which I shall do as soon as the
season affords me daylight enough
to sort them - when I am sure that
£5. will be enough for the total - if
not too much.

I am delighted to hear of the
Porto Rico collection & have at once
posted Greenbach's Flora to him.
I know of nothing particular wanted,
but will gladly pay for seeds of
Palms, & small plants of Garcia - &
for Orchids.

We are overwhelmed with Indian
Collections of woods & all sort
of things & have had
huge bonfires of rubbish -

We shall send you a rare lot of
good things in the Museum way -
& Goodale much useless there or
disturbance there:- They have been
procured at great cost - we have
no room or appliances to store
duplicates:- & so you must take
some! - I must close: -

Ever affly yr
W. M. M.

I shall be delighted to get Mr.
Norwester Pippins. & pay for them,
if you will kindly be my agent
with Reps.

Apr which he writes that he is
most anxious to have Strasburg (he
is quite young) & get a modest
Professorship in the States, & suggests
that a presentation of these collections
may be a bait to some college in
the States to take him! - & asks
me to indicate myself with you in
that direction! - What am I to
say? - Perhaps that on you with
him over in Autumn, the matter had
better stand over...

Also I have bagged old Goodenough's
Herbarium for him, which had
remained in Carleton's good preser-
vation & bag of no use then, &
remained the authorities to present
it here.

I am busy at the Palace for Gen.
Plant! They want a very good deal
of work & I am surprised to find
how well Pittenger works. I cannot

May
March 14/60

My dear Gray,

I have yours of 29th April.
& thank you much for all you
have done in the way of paying
bills &c. - I shall square up all
once & let you know the
result. - I am also greatly pleased
with your discriminating notice
of Gen. Plant. - Yes I think
it a pity we put Cheery-pais
into Murphy, & that we did
not lump all into Cupressus
with Leboedreus too! - This to
me the most interesting & curious
branch of working at Gen. Plant. -
to find how cautious our sets
in lumping like we have^{the} which

Mr. Kingston to deal with. Compared
with what does is working
at last I was - thought to be
on the other way, but it
was so. I find I have made
surely my poor friend - Pemberton
but - I cannot go with Railton
in taking the course of H. Hill.
It is intended to continue knocking
them; he is in this way the
most impudent plagiarist I
ever knew. I cannot understand
how a man capable of such good
work, & that has done so much
can consent to compile by scraps
spoke as he does for Geo. Peck
using characters never before used
any one & never seen by himself
as if they were the results of his
observations.

We are going to have Schimper
Museum; Guy I offered them for

£200 & I could not resist the offer -
though my cash-box was emptied by
Charles's partnership & his expenses, & I
immediately ^{intending to present them to Mrs.} advised them. Meanwhile
Owen, like a good son-in-law, wrote
to Lady Mordaunt (mother, who was a
patient of his father's) & obtained
the purchase for her to her, via
a diplomatic letter, that took, & so
I am relieved of all to her! - It
is to my feelings a glorious addition
to my father's Moss Museum.
At the same time your Schimper
offered several sets of published
Lycopodiums which we have: &
thinking of Farlow I offered to find
a purchase & that if the price
was moderate - suggesting the possibility
of America. The best is low price
[£17 for the whole including Murchison
& Walton!] that I scumbled at once.

of the world. Meanwhile I am
constantly establishing a cottage in the
country, within rail road reach of Hanoi.
The life here is a wearying one for the first
of one's home being one's office, & so we
have no day or home to take our own.
Land is included - The air too does not
agree with my present wife as more
than it did with my last. It is so
relaxing - I carry out my ideas (or they
are no more as yet) with winter &
such sacrifice of capital laid off for my
children, but I must see that it
is a good investment, as well as an
immediate advantage.

Pierre of Saigon has been here & left a
first set of the first order of his collection,
many good things & ideas: we liked him
very much indeed.

Love
J. Hooker

Visitors asking me for specimens from
Mimosa Park. but there are none!

Supper that he would have
mentioned it being
printed. - I am disposed
to accept an entirely new description
of *Avicennia* founded on the
flowers. Unfortunately it will
play "old Harry" with some friends
- ^{His} *Avicennia* *macrodon* work
is a watched performance. *Persea*
Martiana was good, very, for the
day, but later discoveries indicate
great changes. *Wernstedt's* work
is very so so. ^{Blum's &} *Scheffer's* *Reichenbachii*,
as is *Reichenbachii*. but also seen to
have misread what I conceived to
be the principles on which this
Group should be divided up.
But I have to depart. My
specimens & I must cross early
specimens. Looking ^{over} the *Reichenbachii*
is a fair one (as ^{Palm} *Reichenbachii* is) &
we are getting ^{up} a good large paper

collection. I have just finished
printing Rubens for Fl. Rich-
man. I shall soon begin
enquiries. That is the descriptive
work at present, for what with
my own work, followed by Thomas -
then Clarke, ^{comp. h. d. c.} then Reuther &
Mr. Shaw, & lastly Clarke again is
making references notes &c for
my use, I expect that there is
not much beyond careful designation
descriptions to do. So I have left
Clarke upon Enceps. in which he finds
I have left him little to do!

I am astonished at how
quickly so much work & the same
in ~~these~~ American letters. I
thought that to have mastered
them lay also!

Our paper are interesting & able
Latham ~~last~~ two nights ago at

the "Colonial Institute" in ~~the~~ ^{the} British
Garden & their families - it is
a New Manifesto which will do a great
deal of good.

Relford has returned from Sweden
with four collections & a fine few,
which looking did not find his
out till on the point of leaving.
He has brought him plants of the
the Scottrina & Dragons blood
(Dracena umbell of Styphnie
apparently) which have been
known since the days of Dioscorides.
but not to Botany. He arrived
just a week before the commencement
of his lectures at Glasgow.

Mr. Girdler dealers do not give
up & sometimes do with that
I could afford to debarbap myself
of them - but that cannot be

hey & baggage - & it shall not be
my fault if we do not go to the
continent together. & to Madrid if
you please - what does you say to
cruising to Tampa? for a day or two?

I have just bought Schirmer's
Wife's Recollections. & the hope of
the Pub. Co. entirely done her or
me taking it off my hands -
when I got, whose father was
Magician to Laef Nordste Center,
addressed an advice letter to that
notionable lady, which pulled the
much more money out of her pocket!
by L. Lov. - Guy Schirmer has
several sets of published lectures
~~in the~~ ~~the~~ to sell, amongst
them Margaret & Nestor. These
I shall buy on char. of reselling
them - no other than cheap
parties shall have first choice.

3
May 23/80

My dear Guy

I have several unanswered
letters of yours - & left time there
over to answer them! business
seems to increase every year
& I do long for release from its
trammels - but I must work
to live, & determine of living
do not increase. In add. to
my troubles my wife has rheumatism
in this spring - with Neuralgia
weekend & ² loss of flesh - so
rather as to make me uneasy
She has been away from home
for a month in the west, with
her parents, which has done

has much good. The world
isn't when completely the
catalogue of my father's
retained correspondence, a
jeopardy job, which keeps ^{her} up
back at night, & tires her
eye & back. She was ambitious
to do such a piece of work for
me as my dear late wife ^{used}
to do. But for some she has not
the literary skill & ability. I did
ask I could represent it - but she
is vain. In this house, which
is inundated with calls
from London & all parts of the
county, it is enough for the lady
to attend to house-hold duties
& the children. We are also
engaged in a chronic struggle

every
against my efforts: I know what
an big feeling - what an letter
best is, to have a sweet friend as
true story with us, which is a
lover to come for not going elsewhere!

A thousand thanks for the good
blank of ~~paper~~ ^{paper} which with / helps do
as well as ~~paper~~ does. I have
planted one out & the other is a
net in a frame & both look well.

I thank you with great & hearty
improvement in our whereabouts,
gracious when you come over.

I cannot tell you what
happened the probability of
your coming in autumn gives us,
I shall make up my holidays
for your arrival - you & Mrs
Grog must come I thought to us.

Algebra, Arithmetic, & Geometry, Physics,
 Chemistry, & History: - by tough & able
 & faithful is any one is patent. The
 second ^{exam} is more special & ^{at the} than
 which is for Chemistry / I think (if
 he gets on to ^{it} that - The stiffness of
 the examination is being remonstrated
 against, & I think justly: for no one
 is allowed to come up again for a
 single subject, at which he may have
 failed: he must come up for all
 & this not till a year has elapsed.
 Consequently he can deny that
 you make no progress in his
 professional education - he must
 keep up all those subjects to
 examination pitch. The Diploma of
 the School of Mines is pretty stiff
 too, but not so comprehensive
 as your health has been very good this
 past winter - he keeps well ahead of
 his school. Joy propagates an ever with
 & is the admiration of all beholders. I shall

I should like to show him to Mr. Gray with you &
 I am very sorry with or without Mr. Gray with you &
 I am very sorry with or without Mr. Gray with you &
 I am very sorry with or without Mr. Gray with you &

What a capital digest of Mines
 Lupton has made,
 what an able fellow
 he is! I shall write notes
 have above considered the Mines
 that is when we were

I pity you with Arter - I hope
 you may not have forgotten them
 of the time you came over, as
 our living ones want another
 verification! & they will then
 be a beauty.

I am busy with Palmer for
 Mr. Martin an awful job - it
 must be very much a compilation
 Old Martin is so excellent work.
 The redacting of the modern
 Geology ^{with} ~~but~~ my great difficulty
 young Balfour is back from
 Scotland with excellent collections &

a smart attack of fever just as
he was leaving. Ben & Anna is
driving away at Richfield
with her wooden legs. We
went together to Murray's to
pick up the Helianthus for Helen
when it is safely delivered. I
wish it were arranged! Ben & Anna
received other letters. Ben found
William's grammar, which with the
returned to me & Lillian. Ben & Anna
has undertaken the debrocument
of the bundles of loan collections
some of which are horribly mixed.
The Agrostographica books will
form a small reference library
to be placed near the Gramineae
of the Herbarium.

In domestic matters we are pretty

much in the same way, except that
Charlie is off my hands. I have
bought for him 1/3 of the printer
at (Ottobah! which is much
cheaper since Tom Lander was
there the railway was running
through it. I pay £600 down
& Charlie will have £200 more
to pay by instalments - for 1/3 of
a printer of £1200 for annum.
Anna is working hard at
Ottobah at the school of ^{Misses} ~~Ottobah~~
& also for the B.A. degree of the
L. University, a horribly tough
job, at which so many more
than half are annually blocked,
& the rejected have to present
themselves again! There are two
examinations, at ^{to pass} intervals of
a year. The first - includes

I am all behind: Garden work,
 & my much put out. The ladies
 Museum has thrown my thing into
 arrears, & Smith is not the man
 he was at all. Then too Dale's
 activity has greatly increased the
 work, whilst his ability & skill
 has methodised it to prodigious
 advantage: I say ^(as to him) the
 Entangled "Report" has brought a
 huge accession of correspondence,
 especially from the Colonies which
 are very active about their
 Political & Social: Gardens. I am
 ever on his holiday next week,
 I cannot remain behind.

I am still much occupied with
 the arrangements of the Arboretum

I have not forgot the "Museum
 House" for Garden Report, I wish
 I could! - I have thought much
 much of it: but Bessie's subjects
 about the "General" & long of H. Palmer

My dear Gray
 Of course I was on the point
 of writing (I always am!) when
 you arrived a few minutes
 ago. My principal object was
 to say that on your arrival at
 Liverpool you shall telegraph
 to us by what train you
 come up, taking your ticket
 to Willerden & labelling your
 luggage for that station,
 where you shall be met.
 Willerden is only 10! rail from
 here, & we have plenty of
 room for all your effects.
 It is one of the huge ~~thick~~
 suburban junctions at
 which the Liverpool trains

Aug 8/80

stop & take ^{the} tickets, &
discharge such passengers and
branch off from there for other
series.

As to Spain I am agreeable
to November Dec^r, which my
wife & I gather is your choice.
We must be back a little

before & more for the children.
I shall have a great ^{many} coats
on the journey, so long, bring a
lot of good old ones !!! for its
will be very cold.

Bentham has just done the
outline, & talks of doing the
Grammar! - I am failing at
the Manus, the hardest work
I ever tried, I have only done
50 Genera in 6 months. & may

of them are very imperfectly known
I find Wendland's work remarkably
careful & good. I am glad L. H. H.
Schaffer (great help) also did well,
Hecari has finished his preliminary
work. Mantius of course is splendid
but had no material for the
American. - We are better off for
specimens than I expected, between
Museum Journal & Hecari, & I am
getting Hecari's on loan, also
Lalatta & Ledger (which has
added nothing for years!), & I
am writing all over the Globe for
specimens. This is my old &
very queer order, full of monotypic
 Genera that I cannot write,
founded much on habit, with
a singular compound of
perianth & on the whole I
faint too. I have tried no other
at all like it, except Monocera.

present my history for a couple of years,
least I borrow, or sell over, which I cannot
afford to do. I am employing Mr. Waller,
^{styleless} ~~styleless~~ son & loco for Architect - he lives in
Gloucester, but is taking work about
London, he is not as thetic, is sensible,
has no padding & has the reputation of
never exceeding his estimates. I like
much what I have seen of him. (P. 15. 15. c)

Then since we have made a cheque
to S. Watson, it is for Watson's plants,
he charged for 1441. but there are only
1156 there, less 99 in a supplementary invoice
which was not ^{the} charged for. It is really
as much as they are worth, we would rather
have paid double for 1/2 of the collection,
had it been wonder of common things.

Now I must close, I want to write
to write to Mr. Gray, my best love
to her. & kindest regards to all
friends.

to Mr. J. M. McKim

Aug 6/81.

My dear Gray

We miss you & Mrs Gray
awfully. The Sargent-look-
miller is still cleared up. I am
getting old & stupid; & like
Mertha, troubled with many
things.

I have written to Hester asking
how he wishes his money paid.
(some £45 odd.)

Norke Garden so far settled that
the Board given £500 towards
its formation, & we accept good
plants. We strike a very
direct walk through the
grass parallel to the W. wall

of the hibernian grounds, to the
West of it -

I have sent a long statement
to the Board of the want of aid in
my department, adding that I am
no longer able to carry on the duties
with the besting interest at my disposal.
I have prepared the Treasury for this by
sending privately a copy to the Permanent
Secretary, & Lubbock has brought it
under the favourable notice of Lord L.
Lawrence, the Parliamentary Secretary.
But it must of course go through the
Com. of Works, & Leveson has paid no
attention either to it or to a reminder
which I sent begging him to take to
deal with it at the Board or forward

to the Treasury. It is now just 6 weeks
since it went in! What I want is a
small "Treasury Committee" to sit on the
conditions of New. Bedford (the Secy of
the Board) urges it, & the Treasury is
prepared to have it, but the F.C. with
more, it is desisting.

John is with me again, & at Pentonville,
where we spent a fortnight's quiet week,
I working all day at Revised for Gen.
Parker. Have you any hints for me?

My sister Elizabeth has been very
ill again with Rheumatism. Maria
is still in the care of a Medical
^{Officer} & Sampson here, who undertakes
many of the cases of insanity.

I have arranged to buy 10 acres of
land in the neighbourhood of the back of
the house, which is 3 times more than I
want, but it makes a comfortable little
property, & I can sell half of it if
required at some future time. It is
a capital piece of land, but it will

March 2/81.

My dear Gray,

You will think we never
are coming - but I find that
we cannot get off till Saturday.
I am on a committee of 3
to advise on the cutting down
the trees over several acres of
Kensington Gardens, an operation
at which the public will &
the better inquire into things.
of the Philomus. I have
been since Friday for the
purpose ^{of meeting} that is not of much
importance that I should be
there, but it pays 5-9!

I am Hyacinth is so tired
~~but~~ with his journey in
Lynny. That I shall be glad of
a days rest, before a after
packing, for her. - I hope that
this will not be too much
on her, & that Mrs Gray has
need of the time in Paris. I
will also make sure to finish
my part of the New Reports before
I go. - I am so sick of this
inconstant grinding world! -

We found my sister as well
as I expected at Lynny, but
that is not saying much - she
laughs a great deal, is immensely
thin, & very tired. Still she

was wonderfully cheerful & glad
to see us - She is certainly much
improving ^{both} in living you, & summer at
Lynny - we left Joe
flourishing - He wanted to know
what made the sea move? (No
waves) -

I fear I am a horrid
bore to you - with love to
Muefey for us with
his affy V

V. W. Rogers.

I am looking with great interest
to see finding some good ones:
Pots River, & Fendler & Thimble ad.
Wright's Cuban one are also
distinct. & one of them *Grienerbach*

Wittmayeri *Compakta* is a new genus
having nothing to do with *Wittmayeri*.

I keep up *Cryptinae* but it is awfully
near to *Levinsonia* & characters
differing in the glabrous ovarian carpell,
which otherwise (not covered in)
& subacicular embryos.

The Grog are well & as
usual, visiting every body & every
thing with unmitigated ardor.
Then vitally is astounding here
for Americans! -

Very sincerely

J. B. Moore

June 26/88.

Dear Mr. Watson

I have to thank you for
your of May 21st & your
kind & certain & respect of
Palmers' Texas & N. Mexican
collections which have all
arrived in excellent order.

The bundles for the
British Museum, Dr. Knauth's
& Mr. Gray have been all
duly delivered.

With regard to the price
of Palmers' plants, Oliver
rather declines to let
Dr. Gray agree with him that

it is too high. Prof. Oliver
Rephrased to me is "I cannot but
think that the price of the
specimens should not be over
30¢ per 100. They are by no means
always so complete as we
should like, & they are
undetermined; besides the
localities have all to be
written up from a separate
Schedule."

I have not seen the specimens
myself, but as Oliver is not a
granule, & has plenty of
opportunity of judging of the
market price of dried plants, I

do not feel myself justified in
paying so large a sum of publisher's
money without at any rate
raising this question of the
value of the goods.

I sent you a post card the
other day begging for flowers &
fruit of *Chamaecyparis Nystroia* for
Gen. Planch. - it is no doubt a
good genus as Woodward has
established it, - but like all
his genera they want analysis
de novo & full descriptions.

Sabal serrulata has nothing
to do with *Sabal* & of not a
congenial of *Cham. Nystroia* much
be another new genus.
The names are most confusing
- they are evidently very badly mixed

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

July 11th 1884.

Dear Mr. Joseph,

Your favor of
26th ult. is at hand.

As respects the price to be paid
for Dr. Palmer's plants I can only
refer the matter to him, He
is now in Tennessee and I
will write him as soon as I
know his address. The under-
standing with the original sub-
scribers was ~~that~~ ^{as the} for I understood
that the price paid per hundred
should be the same as in the
case of the previous collection
made by him & Dr. Parry in Mex-
ico, i.e. \$10.00. The payments made
up to this time have been upon
this basis, and without objection
on the part of any one so far as I
have heard. For any ordinary
collection this price would doubtless
be a high one, but considering

I do not recollect whether the
price was ~~at~~ mentioned in my
letter to Mr. Hensley; but it is
my impression that it was.

the difficulties and risks which
attended the work I really
think that he has earned the
money. Nor do I closely see on what
ground ^{of} Palmer can make a discrimination in
I sent you the other day by
your favor. ^
through Dr. Carey flowers of *Labea*
acutata & fruit of *Chamaecyparis*
Hydrois. The flowers of the latter
we do not have nor have Prof.
Sargent. I have written to
Dr. Curtis to secure them &
also to Dr. Vasey at Washington &
hope to have them for you before
long.

I am happy to hear that
Ernestine is likely to hold her own.
I did not think that Harriet
was to come so soon proving
about her domain.

Yours very truly
Percy Watson

July 28/81

Dear Mr Watson

Thanks for your letter.
About Palmer's Plants. I have
referred to your letter to
the Melusky, in which you
state that the price will
be "about ^{his} usual rate
of \$8 to 100."

We have no wish to depress
you to depreciate or beat down,
but when I tell you that
one very common form
occurs under 11 numbers

& that there are many more

plants in 2-3 plants,
the 68 number of *Ferns* numbering
themselves into 30 species & varieties.

You will I am sure see that
in justice to my employers
^{should be worthy}
I ~~cannot~~ ^{ought} to let the
price of 40/ to 100 be
unbattered.

Thanks for the fruits of
Sabal serotina & fruits

of Hystrix. I shall be very
glad of flowers of the
latter also & leaves too.

Yours truly,

W. F. Colver

I shall have some more
of *Palmeis* plants counted &
let you know the result.
I hope you I do not deem
that any favor should be
shown to him, only, Paris
Clay.

James Watson Esq

Dec. 31/81.

Dear Mr Watson

Prof Huxley reports to me
that the number of species in
Mr Watson's collection is 1156, less
99 which belong to a supplementary
bundle which is said not to
be charged. - That is 1057 to
be paid for at £ 30s 100.
which is £ 15. 15. - for which
I enclose cheque. Prof Huxley
can send a list of names if
required, but I suppose that
you know them better than
we do.

I suppose that Dr Gray is

Please send receipt.

have at work again. - Last paper
that Mr. American gave out
was proper again.

I have finished the paper for
the plant. & have begun the
Groids, reverting to Schott's
descending vessel's system
as within natural and
practical.

Yours
very truly

J. B. Hooker

The character of Elvite dice. The
arrangement of wood in Elv. Plant. is
not good. I have had to make
2 new genera - one a noble genus of
redia-rubbers, that produces the
"Gutta Singapore" (with 2. species, a
Melanox & Boornean) which I have
called Oyere - it is near Alstonia.

I am now at Ardebrades. an awful
job, & seeing incipient deposition - I
have had to ~~make~~ ^{keep only} ~~the~~ ^{the} genus
in Periploceae that Boorne had
discovered, & to make a new one
besides. I trouble to think what
I shall have to do as I go on: - which
with plant ^{or fruits} that keep their habits,
but modify their Gynostegia to please
insects, & plants ^{or fruits} that keep their
Gynostegia. Characters & change their
habit to please themselves, - I
am driven all back. Meanwhile
I shall complete Part 1 & 2 of the Plant
with the Apocynaceae & Malvaceae.

July 12/82

My dear Gray

I am sadly behindhand with
my correspondence - as usual - &
you seem to me at the far off
end of the trail.

Things here are pretty much in
stagnation. I've now made a
large Rock Garden some 100 yards
long with a winding path, rocky
banks & woods (bushy) flanking
it on either side, parallel to
the wall of the Kewaceum Ground -
it does not take all your
best collections.

Miss Nollie's Gully is a such
simple as to beauty - & interest -

but the building is obscured by
too small, & we are hindered for
admission at the gates hard by,
where there is no porter - & where
the resident ^{foreman's} complaint of the
incomplete ringing of the bells &
applications to get it. As it is
obvious that the irregularities are
street wide, if the gates are made
open to the public, become a
more lounge & place of congregation,
the house will remove the gates
higher up the road, towards Richmond,
& closing the Richmond Gate, make
this ^{removed} one the chief entrance to the
back of the house. I have
informed a sketch for where
a winding path would lead

straight away to the Pagoda, & make
a beautiful approach.
Nerthan has been weak & badly stricken
this winter, but is I think all right
again - he is spending this month
with us, which his house in London
is being done up: & is now by way
of looking over the keep of the last street
of Richmond. - I have finished the
Naiah - not quite following ^{Michaelis} Reichen.
or Engelmann. I have differed from
the latter with great diffidence, but
am sure I am right, as is Nerthan,
after all it is only a question of a
transposition of ^{a few species} species of the Cruciferae
Alvina. Alvina domina & Sagittaria &
Michaelis work is very good. I was
to have done Juncea, but Nerthan
finds there is close to Liliaceae that
he wishes to undertake them.
I have finished Apoecyane of the
Hist. Ind., & have had to modify

Memorandum

Report of the Br. Association

for the A. Association - 1881

See Report of Brit. Association.
1881. York meeting. -

In Huxley's address, p. 734.

Sentence beginning,

"These results opened up a
new channel for investiga-
ting the phenomena of Distri-
bution. &c."

If this is to be history
it needs to be corrected by
the following mem.

1. The paper by me in
which ~~the~~ ^{the subject} was "entered upon",
was communicated to the Amer.
Academy in August, 1858. &
was published April 25, 1859.
The 1st edition of The Origin of
Species is dated October, 1859.

But I knew, by correspondence,
the main points of Darwinism.

2. The statement is, that what had been published about Arctic fossil plants - *Sequoias*, *Taxodium*, &c - opened up to the views which I put forth first in 1858-59.

But my paper shows that I had ~~some~~ no knowledge then of this fossil arctic flora. - which would have been such a capital point. -

And I state, in my Deluge address that I knew nothing of all that, but reached my conclusions without this knowledge. Indeed how should I have known this in 1858-9, when, as Hooker states (date in footnote) Deer's first publication on the subject was in 1852.

The generalisations were reached

in a way wholly different from and independent of what is implied.

I said as much to Hooker the day after the delivery of the address.

But it was already in type, it was awkward to alter, and I think he did not really understand it or take it in.

Note, also, the sentence "When studying the collections of Japanese plants brought by the officers of Milnes' Expedition, Dr. Gay," &c. -

Milnes' Expedition, in Asia was wholly south of the Equator - far away from Japan!

July, 1882.

Asa Gray.

* What I do for H. I. Office of General Office, not to
be paid about 100. I have done for H. I. Office of General Office, not to

[I wished to say had interposed.]

This brought a response from Leffert, a photograph,
& says he would at once recommend me
for an increasing salary, & postpone all other
matters. I wrote an indignant refusal &
have my salary raised on such terms,
adding that the Directors ^{salaries} could always
wait. - The service of the London could
not. - I was sent for at once, & told that
all I wanted should be forward to the
Treasury, & that the F.C. would prepare advancing
my salary to £1100 - I said he must ask
for £1200 & all the other advances, which
he has done. - I then received the
Treasury's answer. Would you believe it - they
magicalised for an increase from 1000 to 1100 &
an immense bag in the Arboretum of
London, the October sales brought down many
trees & I got a grant of £500 to set down
more, & clear large spaces for new
plantations, a very responsible duty, left
to myself. Then there were 2 pellets also
Joel's plants, left to him by his wife,
a large number of plants, & an extraordinary
collection of living plants. This took me

March 4/82

Dear Gray Yours of 19th this minute
received; I have been needing a
letter to you for some time - & now have
to open the correspondence with sad news -
for dear Hannah (Mrs. Brightwell) died
2 days ago - ^{at Brighton also} she fell on the door-step of her
house at Brighton - not far from the Yew trees,
bleed much before the doctor could be got
to stop it: took nuxvomica; recovered of
that; bled formed at back of head &
she sunk right before last - I feel her
left very much, as she is amongst my
cherished recollections, ^{to me} ^{my} ^{out-}
when I will much older than I am. & I had
counted on going to see her at Easter.
I said to the doctors, nevertheless has
been very unwell, & is so still, much
pained down by a throat cough with

Expectation said not to be immediate,
but my weakening. He has been away
from Herby a good deal, though in
new drives up & down - he looks a
good deal changed. I am trying to get
him to go into the country with me.
- not hopefully. However he is at Lille,
but on a proof of his weakness he
will not come over to this house even
to call on the Allmans, who are
staying a few days with us - he fears
"cracking the green" - though the weather
is sunny.

We are all well, though my wife is always
complaining of being tired & is hungering for
the country home. - The deeds of transfer
of land of which are still in the lawyers
hands. As to building, it must depend
on whether my salary is to be raised.

Last November I sent a Memo. on the
indiscreet ^{without which I cannot get on} wants of Herby by a Clerk,
Overs whole time I began with salary of
£700 - which to be raised to £800 & a mortgage
lead to Herby - A proper office to be built;
& office keeper ^{appointed for Inspector office} more hands & better
pay for & foreman; I said nothing about my own salary.
I would get no answer
at all - though I often wrote urging one.
at last I wrote a strong letter to Leeson,
calling his attention to my Memo., adding
that I was both the Relief officer & the
clerk of the office of the Board, that I
claimed attention myself & that
they would get no answer for the pay
they gave me; & that it was time the
whole Committee of the Board were perished
I told no answer of any kind - That I went
to the Treasury, who advised me to write
a categorical demand that I should be
informed whether or not my Memorandum
was to be sent to the Treasury. - This brought
an answer that the subject would be
forwarded for a general revision of the
whole Office of works & ^{next year} I wrote for
a categorical answer to my ^{first} Memo. -

P.S. Oliver wants to know
whether we should order the
candles - I suppose not & that
we can get much fresh candles
through your good offices

The 5th set of certificates not yet
received, we have paid for the
preparation, believe

after to Wimbledon - & we got the last-
class one, three days ago.

Then two are in making &
rather between Rock Garden, for which
the Treasury gave £500 - it is on the
side of Grand Walk of the Herbarium
Grand Walk, between it & the Oxford St
House. - it will be a very winding trench
some 3-4 feet deep with high banks
& banks of stones, roots of trees & all
along it. In the laboratory I have

been going through the Pinetum, adding
transplanting & manuring.

In the Rabarbarum our best arrivals are
Mandarin plants, & several species -
all light green Lichens are coming in
in large boxes. Hewitt Watson's came
I think before you left.

I need hardly say that, with all this
work on hand the Plant. Soc. slowly
on & H. Mich. had shown still, -

I have taken the Prunella for the

letter, which I am sure will be a break
of Charles' work as ready to go on
with. I have finished Pandanus
& Cassia, & Euphorbia (3 or 4).
& Abies & Ephedra & perhaps
some more. I hope you did not

have any more trouble, it is a dreadful
cough & trouble. M. T. Brown is a good
man.

Wilford is still working at his
Southern plant, & himself as Mich.
Curtis. I hope is here, at L. Am.
Palm, which he knows well.

Charles of the Fish Club, L.
will be most acceptable.

We dine at the X? the other day &
met the Blackfords.

I am very sorry for Darwin's death, he was
my earliest Paris friend & in 1845-1 spent
many happy days with him, & many
others of whom he is the very last! -

The Symphoricarpos & Abies seeds
are most welcome for Herb.

I have told Oliver to have Watson's
California Herbarium over with the Herbar.
& our desiderata noted for you.

No wonder you feel the strain of
accumulation; to me they are crushing.
& the no less of the increasing labors
of this place. Charles Wright should
do good work for you.

Dayton Jackson is busy at the
"Herald" until Darwin has so liberally
misquoting.

Herbert Spencer is going over to your
side of the Atlantic in August. - How do
you like Oscar Wilde?

With love to Mary & all
W. Hooker

Each Nephew. - I have sold
£500 of books to Whildon -
most of them a good residence -
Others I was sorry to see go -
I have kept Inquisition, Reputer
& all ordinary books of reference.

I gave your note to Spencer;
he does not go till Autumn.

Wm Lloyd Garrison

A. Hooker.

March 31/82

Dear Gray

I send a list of West-
American *Cladonia*, taken from
Watson's Place, which with 1 Month
Asterisk you, & corroborate the
remarks I once made to you as
to our poverty in your later
discoveries. No doubt many of
the plants are unique, & thus
most rare. The list has
been carefully checked, first
by Kew, then by the Herbarium.
I can be thoroughly depended
upon (just Kew).

I have no more - The Sumner's
lot of land is not bought yet.
The lawyers are haggling over
terms.

I am at Norwich for
Gen. West:- & previously busy
in the Academy.

May I write Mr. Gray, with my
love for his letter:- We go
for Carter to the Burnbys
for 3 days, & for 3 more to
the Burners in Norfolk. I

think I told you of Aunt

Harriet's death, that I went
to the funeral, & that we both
wrote of it - The opportunity to
see Charlie at Chichester;
which was a great pleasure to
us & to him. - We shall
see him again in Norfolk on
Morn.

Joy has been poorly again, &
we shall send him to
Penderick for Carter. Grace
will go with Mrs. Seymour to
Paris to see with Reppie, who
is doing remarkably well. -

Did I tell you that
Aunt Harriet left £500 to

hold you of this. I wish he had
omitted the "verdict" - Collier
has painted a capital likeness
of him for the Liberator, $3/4$ length
with hat & sword; but oh so
sad, I almost broke down when
I saw it in the Academy. His
deceasing like & dignified but
want the light of genius - as
do all Colliers. I hear the fainting
thoughts of young L-bies at Cambridge
but I have no proof of it.

We are in a whirl of visitors &
amateurs of it. Greeting J. Barth;
Col Galt & Gifford of Florence who
say that Laurel is worse than ever

May 9 '62

Dear Gray

I have libertised (I recommend
this word as my contribution
to new Americanisms) to
remove the cover from the
envelopes, so as to send
you a few lines under
the same cover of thanks
for your kind attention to

our desiderata & for
favors to come!

We are taking away as
usual. Keuthan has sent
Ordinance to Prof. I am at
Alismaceae, which Micheli
has done since, but I must
renew some of his sense.
I see he agrees with Keuthan
on 1 - the ^{separates} ~~characters~~ of Alismaceae
from Najas & the genus of

Junceae, though he does not
follow it for narrower given.
It remains ditto for Junceae
in which I cannot follow him.
though it is quite unconvincing.

Keuthan is much recovered,
shook concerning well, but
complains of weakness. He
wishes to away for change of
air, which would I am sure
set him up.

Dear Darwin has left me
£1000 per y. out, "as a slight
tribute of life long affection &
respect" - I forget whether I have

The Irish English, than the French
Sermons - They are a very conceited-
people with many noble traits &
more attractive ones - we may
over them but never rule them
with long years of hybridisation &
the ^{dissemination} ~~destruction~~ of the Gael amongst
them being almost absorption.

been never attacking Forts was a
 remarkable ^{instance} of the savage's respect
 for the man bold enough to show a
 fort unarmed. For poor Crescent
 they had no respect. The saddest
 thing to my mind is to hear this howl
 for vengeance set up because a young man
 high in office is murdered, whilst a man
 over as insignificant has been murdered
 in the pursuit of their duties, in a cold
 blooded manner. See all the

terrestrial Molluscs & Lizards - on
thick ferns (near Mamabidee)
& on large part.

Indy John

Sunday John. Green & wife.
Saturday we made escape to the
country. on a visit till Monday.

I have to say conclusively to
begin the House-building at Sunny-
dale, with the help of Darwin's
legacy I shall hope to buy also
in 2 1/2 years (with my prospective
increase of salary).

I was informed the other day
by a letter from the Juvenile Officer,
asking me if a compensation of 2
5th pounds & 8th shillings would

be agreeable to Dyer, as L. Humbly
proposed asking the Levee for
it. Dyer

gladly accepts;
I am happy to say; it.
will strengthen our hands here
very much. & when the Treasury
that has incurred of delay was
well deserved! & that New has
been appreciated.

Then fearful murders &
holidays will have chartered you
as much as our-selves. What
can have happened to
act so weakly, & to supplement
his action by sacrificing a man

like Lord St. Cavendish who was
doing admirable service when he
was in the Treasury, & who had
no qualification whatever,
except a shield, for the
high Sacerdotalship! - I do not
deny poor Clarendon's feelings - &
am really sorry to see his glorious
reputation sunk so low.
When with Minutes recognizing the
fact, that the best men are often
ruined (no blame to them for that),
having no sympathies with the
English & an ardently longing to be
free of our God as ever were your
red-men ^{of 1800.} we can do more to make

a feat to have done Liliaceae
generally at all. If there is a fault
to be found in Huxley's method of
dealing with the building up of groups
it is that he places pottery & clay
in their into a wrong place rather
than make a substitution self
supporting item of it: he repeats old
groups as plural, that is also above
genera, for he cannot deny monosperma
genera - as he does monosperma ^{specific} orders.
He is no doubt influenced by the fact
that a monosperma genus is more
likely to be pluralised than a monosperma
Order.

Young (Zoology) Huxley's aspect death is
admirable shock - Huxley is quite cut up
& Foster is an agony of grief. H. Submarine his
not to go climbing & he promised to be
careful - he had my just received from
Typhus caught at Naples. He with his
unwilling to replace him in Cambridge as
a Society of B.A. remally J. M. Moller
Cooker has diabetes?

Mr D. Gray

July 29/82

Dear Gray

Can you pick me up a copy
of "The Life of Thomas Hooker"
by Edward W. Hooker. - written for
the Mass^{ts} Sabbath School Soc.?

Horton. Nov. 13/1849

I want it for a Mr. Asenb. Hooker
who has a notion that he is
related to the "Son of Hooker."

Can any of your friends in
N. South get me photographs of
your Southern Palms as they
grow. - I have just had a
good one of the Bermuda Palm
supposed to be Thrinax.

We quite approve of the
fish glue & would be
willingly obliged for two
gallons of it; if you could
manage this for us.

Perhaps the dealers have
an agency in London.
A thousand thanks for Chamisso's
Hystrix it is a very curious thing
& comes most opportunely as I
am about to revise the Palmer for
Gen. Pl. I have done the
Naiadeae to the best of my
ability & taken great pains with
them, but am much puzzled

about the perianth of certaria.
I have also done Uphacis, Cybaella
Pandaea & Arvid. & am now
at Trunides. - which however
I studied long ago carefully -

I have done Apocynaceae for
H. B. Nat. the 1st part of which is
gone to press - I have also begun
Ardephacis for the same work
Nerthan is tiding over Liliaceae.
I do not quite like his putting
Ophiopogon into Hamost-vase
& think they would make as good
an order as any in Monarda of Thon
sort. - I hope B. will not make
too much of "Embryo imbedded"
"Embryo intruded" but I have my
fears; - he must have his way
now & he will have performed

will have been kept up as a small
order. However at this state of the
work, & of Bentham's life, no check
can be allowed to the progress of
the work. We have still the perennials
left to do, & I fear them! We have
just begun to print. Amarillidaceae, &
Liliaceae go to the press next week.

I had just done Trinidadae which
I reduce to Trinaria & Sciaephala,
(pace Wiers), when Bentham sends
me a round dozen of species or
forms all of which must be depicted
but smaller species than amargosa Stem,
so I have to restore some of Wiers'.

I have a very curious plant (2
species) from Guyana that must go
into Euphorbiaceae, though it has the
habit of Cyperaceae.

I do not think that Trinidadae have
much to do with Alismaceae, but

Aug 18/82

My dear Gray

It is almost criminal of
you to dangle under my nose
so tempting a bait as the trip
to the yellow town & Vancouver.
with yourself & Sargent, with or
without the Woman-kind. I wish
I could be the recipient of it,
but with the expense of the new
house & what is more crushing,
the ^{heavily} present dearly finishing
& furnishing, it would be as
criminal of me to be tempted
as for you to tempt. So be it. The
world is turned upside down in
its favor I must not think of it.

Well - here we are at Kagekoto in
our old quarters again, & the
foundations of the house are
digging. - It has cost up to
£4000 already for House, Stables,
Woods, drains & Gates. Estimates
will cost £1000 more - & I may
calculate on another £1000 for
furnishing & fixtures. Luckily my
income has been very good from
investments & the manager of
I Palgrave & I hope to get off in
borrowing £1500 or selling out as
much - though probably that
will culminate in £2000. Happily
the more I see the place the

more I like it. - & I have every
reason to believe that it will be a
good investment. I send drawings
of the elevation & ground plan &
first floor of the Grays amusement.
There will be 3 small attics, rooms -
& a small cellar & bath. - I should
much like to see similar plans of
the Grays House.

Benjamin & I are working very hard
at Gen. Plant, which grows in our
hands. He has nearly done
distances & I think will be a
very fair tripartite division of the lot.
We have both of us given much
thought to it. & shall be most
anxious for your opinion of it.

Of the proportion he has put into
Wanderer a step I am not
stupid about, they might suit

Mr. Foster & Hardy are quite content about it
& we all feel it.

We are all well, Brian has come home
much improved, & very full of his work - he
goes to Freiburg for a year before I then
am out on the world. Charlie has
bought a patch of land & estate for
himself at Cottishale & is happy in the
prospects of a garden. Harriet & her
children are well. Willy is still in
Grass Valley. Joy has developed a passion
for Botany & is more engaging than ever.
Will it be last? I do not like to think
of it. My sister Nelly pleases as
ever. & Tom is back with great, which
prevents his walking. Miss North is
off to H. Lab, Madagascar & Zanzibar.
Miss Sabine came to the house yesterday
& asked where our trip by the Southern
Railway was to come off! What an
admirable account of the Colorado Canon & the
Katherine & George that was in last Sittimer.
I wrote Harriet a long letter the other day, &
promised to go on with the report next year. Would
it do if I went to Yellowstone instead! ^{Superior of}
_{republican & Hooker.}

we may be thankful that they are
so comfortably close to them
artificially & as others else -
I have tried my best hunting
vainly for an embryo - I am satisfied
that the nucleus of the seed is all there
but embryo - judging that is from
its texture & ^{its} similarity to that of
Kalamopsis, where the embryo is often
at best imperceptible, in seeds much
larger than those of Trichostema ^{living above!}
Iyer & Smith Baker, have made a
thorough overhaul of the immediate
masses of duplicates, unmeasured
things, & books & parcels for all
manner of people that Oliver has
allowed to accumulate without
his attempt to deal with them
for 15 years. Poor Oliver is so far
past work that he has completely
lost interest in the work of the
Kalamopsis, & he won't but too hard to

What he does not like. He is fast
narrowing, & with I suppose soon shut
up altogether. - he threatened this to me
the other day, because I ventured to
complain of his never telling me
of a collection of Tropical African plants
that was coming to New York, which he had offered
me. ^{Mr. Cameron & Burton} gave him ^{advice}, he maintained, & maintained,
that it was no duty of his to inform
me of this! I could not make him
see how ^(putting aside the interest of such a collection) backward ^{the} I placed me,
when asked about them, to have to
say, "it is the first I have heard of them."
He confessed that he was growing
irritable & impatient for work: he does
not seem half pleased, or rather he does
seem displeased, at his promised tier
of salary - I suspect his nature is fond

that he feels he has no further interest
in History; & whilst too ~~too~~ scrupulous to
repaid it, as he ought; as a reward for
past services, he naturally requests that
it should receive at least a share
of interest in his work & position.
which he does not feel.

Wells, to return to the accumulation, we
are going to send a huge lot to you,
of what we think you may care
for, with the request that you will
turn over what you do not want -
to Vasey.

We go to Southampton on Wednesday
for B. A. till Saturday, when we go to
Allenstein, & till Monday, Hymnath will
I hope stay for 6 weeks Greek. There.
Mr S. will stay with Mr. Davin.
Mr D. has taken a large family
house at Cambridge, but will keep
down for the present. George F. Walcott's
(Geologist) death is a sad loss.

Strong & cold,

Ever affly

W. Hooker

Sept 1/82

Dear Guy

A note has just come
from Goodale saying that he is
in London, leaves on Saturday
& has no time to come to
Kew - offers to take my things
for you -

I sent a big box a week ago,
& the only supplement I can
think of is some scraps of
the scraps ^{we have received} of a new species of
my new genus Dyera from
Singapore - a specimen of

The Gutter Jelutong. The genus
is near Alstonia, we have
now 3 species.

I have no news. The Ozeis go to
the Vorges on Monday. We had
a pleasant week meeting of the
B.A. at Southampton: - the Biology
was literally nowhere - I got a
£500 grant towards sending a
naturalist - with Thomson to
Kilmantjore - Ditchison is
leaving to go. With love to Eliza
& must see the R.E. to
come down for a good deal more.
We stand at W. Darwin's pretty

place, our old friend Prof. Ashburner
of San Francisco University, was staying
there & Mr & Mrs - a
Chemist from the States, both very
pleasant people.

On Saturday we went on to
Aldworth & to home on Tuesday.

I hope I have engaged Oliver
to keep such a cupboard for Herb.
Harvard as you have for New,
& to put such things as seeds
of Oryza into it in future...

I have just read (in bed & away)
a very interesting account of Montana
in the Century - which has again set
me longing to join your next west
jour. - a indeed very thing I
read of America over.

We have watched Andromeda again.

May 10' does not suffice. &
Collects 11-3 or 4 references:
volumes of pages & plates.
This is quite Exclusive of Vol. 1.

Which we do not cite at all.

We are still at Baginab, but I
was on a Saturday. - The house
is above ground & proportional
reference vice with it! I have
many solid all my retained
books but what are necessary
for Flora Indica - as they go?

Just like the drunken evening
in the song to "Here goes,
A. Macintosh { "None sir,
who she took { "Lep clothes"
her last petition to have

I have just got leaves & pencil
of Herndon's Palm, it is a noble ~~Tham~~
Sabal, ten times as big as the
S. Kellermani. - You will have to go to the

May 10' does not suffice?

We will have to go to the house - did I not send

to the house - did I not send

to the house - did I not send

to the house - did I not send

to the house - did I not send

Sept. 17/82

Dear Gray

Will you kindly send
me 1/2 part - a couple of them
little mounted pocket lenses
if you had a pattern.
If it would save trouble I
will send you a L. maker.

Thank you much for
providing copy of Life of Dr.
Boanerges Hooker.

I am frightfully busy, which
must account for my handwriting
being better than usual (!)
find that I can read the above

Igor is gone to Alaska with
Harriet -- Smith is on leave,
Jackson ditto, Baker ditto.
Ditto "my" Clerk - who on
point of great new - to Igor -
- I am too old to let out
old ways. - I bite the leading
stick the following teamster.
So pret is home.

I am revising the Palmer &
to prep next week. It is
quite the hardest work I
ever undertook, & makes no
show, as the Genera are all
other people's, all base? &

I shall have all the discredit
of not having given them the
happy despatch. On a calm
revising of the ^{fish} ~~work~~ / in not
enough of Martin's work, which
was ~~imperfect~~ ^{imperfect} & its ponderous.
Considering the material he had,
& the time he was over it, he
might have discriminated the
Genera much better - & the
work itself is a "model muddle"
that has done more to obstruct
the progress of Phrenology than
it has advanced it - perhaps.
- I find that the mere reference
to check the citations of each
Genus of that work alone
takes an average of 6' exclusive
of setting up & down the
ponderous volumes: & for

Aspiration as my stock. Houghston can
be as amusing as a carpenter can. not:-
Dawson does deserve great credit; it's
a pity he is so pig-headed. Did you see
his son? is he not promising?

Thanks for all your trouble about
the fish glue. we shall give it over
but all the same.

Oliver has returned for his holiday
much the better in every way.

We are working the small ~~data~~ ^{small} plants
into their places, but my difficulty
is to ~~choose~~ ^{choose} some one of the men
properly trained to the arrangement of
the large ones especially. There are
much mischief by the following the purely
geographical arrangement for some, &
all or others for others. - We thus happen
to find a Quercus or Potentilla without
first knowing all about it, what is just
what we want to avoid. Except Brown
none of the Apts have a very accurate eye,
& he is too useful in other ways.

Stam Feb 23/92

Dear Joz Here we are, my mother
Joz & myself for our first visit to
this home after dear Dennis's death.
It cannot but be a sad one & is
aggravated by atrocious weather, gloom
rain & furious gales. Nevertheless it is
a great satisfaction to come & find
Mrs Dameri so pleased & contented.
Except Miss D. Martin is now the here
but Frank & his boy are expected
this evening. We leave tomorrow
for New, having arrived yesterday
(Monday) from the Spoths woods where
the P.R.S. is laid up with a broken arm
from the overturning of his tricycle!

Mrs Dameri with Keble at this house,
& then her servant Parsons & her
wife will be care-takers. In a few days

Ships to Cambridge, to a furnished
house etc. The one they
have bought I want want-
a good deal doing to it is ready.

The latter is about 2 miles from the
Alutera on the Hounslow road,
stands on some 10 acres of ground,
& will have small public & many
bedrooms. Frank will be its head
of course, & they will return here is
also probability for summer quarters.

I have had a long talk with
Mrs D. this morning about Darwin's
last illness. It is not heart failure
what he died of, though it is evident
he had a weak heart, & probably a
diseased stomach, which acted on
the heart.

You must think me very
ungrateful for never before this
mentioning you most kind thoughts
respecting the tiles. The fact is that my

wife took yours of Sept 17th & never
supposing I had read it, & until I
got ^{the copy} of Feb 6th asking for
dimensions, I was unaware of the
kindness. I am able for putting the
tiles in my study & as soon as I can
set the best dimensions for the
Architect I will communicate them.

I quite agree that the B.A.
should not go to Canada, though what is
to be done with the 100 not known.
Oxford has in the most ungracious &
undignified manner on good as
declines to satisfy its proffered (&
accepted) invitation for 1883. on the
sole ground of Carly being unknown &
not a scholar! - This threw the Asp.
upon Southampton, a new & unknown place
which stood much on the list, but
on the Lancashire Coast, to which I fear
the habitues of the Asperden will not
strongly, though I dare say it will be
a large meeting of Lancashire manufacturing
worthies. Your movements of the Montreal

go over it with Pt. B. 1. I am sure we
could send you lots, & after E. March
is done I hope to have more time on
my hands for that, & Hazden's minutes to
be forgotten Robert!

I have not yet thanked you for
your Memorial of Darwin, not answered yet!
This must come into my work, which
will not I hope be too long delayed
Now I must answer Mr Gray.
With Hyacinth's love
Am pretty

J. Hooker.

Your notice of Darwin is excellent.
He was very ill for some 2-3 months before he
died - having had attacks at heart like Smith's.
Anderson (last ^{first} arrived here) said "nothing wrong with
heart" - but some weeks ago said "Angina
Pectoris" - he had been provided the location
& was carried up & down stairs for several weeks
(3 months perhaps), & was greatly alarmed about
mining - his grandfather having died of heart
disease - Nevertheless I think he had disease
of stomach that acted on the heart, which may
have been weak.

We have begun at last to print Palmer
for Gen. Planch - & just after the ms
went to press. It 25 parts of
Druck & Martens comes out; happily
involving no serious change, if any.
Druck has not the gift of them that
Woodland has. Perthes is finishing
up Enocaulis & has only then to
do Hestiacus & Verat his ms of Cyperaceae & Sporangia
which will not stop the printing - He
is remarkably well though complaining
of weakness: he declines to come to us,
even for a week.

Mrs. Harvey is at home with some nephews
& Nieces, ~~she is still~~ but she is also but
quite blind, & sent for us, we called
immediately & found her very cheerful,
she was living next door to our
Hotel at Florence! & only found it out just
after we were gone. She can just see
light out of one corner of one eye, &
has dim hopes of better things & that
eye alone: Cataract inflammation & other
~~concomitant~~ ^{concomitant} combined to pervert it. She
thinks helpless of her late events

having called forth so many ^{unfavourable}
characteristics of ^{the} ^{native} ^{character} of
the people, & such a want
of cohesion for any good purpose
that they have all paid their rents to
her people.

We have secured nothing at all &
Washington, to make a ^{as to goods collected} to man
your diploma. That would have
been dangerous till we heard from
you. In fact the same is all in
your own hands, for we have made
no communication to Washington on
the subject of the collection. ^{of which about 1/3 are in your hands} It would
be a grand thing & easy to work
at the division under you as
Sereno. By the way I am naming
one of the Louisa Palms Sereno.
- the Cham Hystris. I sometimes puzzled
with the Bernardie Palm, of which
I have just got Leaven &. It is a very
very Tate, with difference from

Asplenium, but not so large as the
Cereus W. Madra ones... Can it be
native? ^{one or more} The group of them is
Berunda, of which I have a photograph.

We are hoping to have Kilmaree also
explored. The B. A. has given £500
& we hope to get more £500 for the
East. Grant & R. S. & Dr. Aitchison
volunteers to go. - He would accompany
Thomson who the Gov. is sending
out into Africa that way, ^{of the coast} to look
at the mountains. Much like a risky
thing, on account of climate & natives.

I am laboring at Asplenium for
"H. Brit. Ind." & have to make a
new genus already out of Toxocarpos.
I am puzzled to distinguish between the
tribes. Mandevilla, Carpodaceae & Piperaceae.

I heartily wish I knew what Indian
plants you wanted, the Mercurialis is
set out circumlocuted with duplicates. If
you had but a young hand who would

he had accep. to. He did not improve upon the "Contributions" in his later works.

Did I tell you that Lawson, ^{of before} is going out to the Cinchona plantations of Mashay, & I do not know when we are to look for another Professor for Oxford.

Have you seen an article in Macmillan's magazine on the "Pedigree of wheat": it is interesting how it attracts the attention & gains the approval of the multitudes: to me it seems shallow trash, with no hint of deep truth.

The world is also excited about the attempt to murder poor Lawson: Dublin, & Tennyson's new drama being laughed off the stage at the "Fleek" theatre with "The Grand Old Man" there to see its first performance. To my mind the said drama is "morbid maudlin" & unfit for any story for any good purpose. Did you hear Tennyson's Ode to Virgil? I can only hope he was in his cups; if not he must be a 2^d Childhood.

The tiles will be in plenty of time next spring. We cannot tell the sun & tide. The kind of grate is settled. I don't forget your kind gift. In haste W. W. W.

Love to Mr. Gray. The house you are doing but into a capital piece of work. I have a dash of Wood's of my own overhanging every brick & bit of timber before it goes. I also take down the New Park of the Woodley way 2 weeks in w:-

Nov 13/12

My dear Gray,
The enclosed for the valuable Baron comes addressed to me! - Three days ago.

I have yours of Oct. 28th & have asked Oliver about the removal of Jacob's things. He tells me that a further instalment will be ready very soon. For that Baker is at work on them with his wanted order (& hesitations!) I am delighted to hear that it has been so useful to you & that it will help to fit you a good Herbarium for the Nation.

We are greatly amused with

The American "Spencerians" - & we
have had a good laugh at the Club
over the "W" full of sweetest & light-
which we are worth to compare with
"boiled gooseberries".

There is a long article in to day's Daily
Telegraph, criticizing Spencer's lecturing
you who you want of relaxation
& pleasure, & showing, or trying to
show, that Americans spend far
more time on relaxation & amusement
than do Englishmen - which is
stupidly very popular.

We went for two days to Mrs
Darrin at Down, & found her very
cheerful & friendly, but not over well.
She was delighted to see us & so
affectionate - but to me it was a
very melancholy visit - for I could
hear Darrin's voice all over the house

I fancy his calling me under my
windows to take his round of the sand
walk with him. Frank & Liff were
there & a half-pigeon & "Hubert" (Bernard)
made great friends. Mr D. has now gone
to Cambridge to purchase home to
there over is ready - the little Kesh
Dinner for the present. Mrs D. has given
me the assurance that being in his study,
& it now hangs over my chimney piece.
beside the Harrogate that went over the
himself with me.

I am the master of printing Patrons.
Nervous is suffering ^(now 6 days) from acute neuralgia
of the head & neck & complains of double
vision, but he is at that to day - he does not
work.
This Kilmanodgins reputation is
becoming me, as I have the responsibility
of it - I have £500 for the B. S. &
expect as much for the R. L. ^{both} or find in
between them, & that ought to do. I have
written to ask Schermerhorn if he will
undertake the job.

I have just read your interesting
little note on the progress of the American
"Flora". I am not taking at all
for the Indian Flora. I am surprised to
find his wife might not be

Kirk & Whit & cannot go on having
work needed on me. - I am
going to represent the whole condition
of Kirk & Gook. & the hope of a
small Treasury Committee being
appointed to examine into the
whole matter. They are spending
money like water on the B.B. Dept.
of the B. M. - They are at present with
view to fill the space that was
given to the B.B. Dept. to contain
the Kirk Collections! - Kirk has
lined with magnificent glass cases
costing many thousands of pounds! &
into which they have nothing
to put! - Joy has been done
with less fever & very poor for
a fortnight, but is now picking
up. - We hope to go for 10 days to
Durham next week. - With
love to Murphy in affⁿ
W. W. W. W.

Nov. 2nd 1888.

Dear Gray

I am glad to think you
are both back safe & well: yours
of 13th arrived last night & Billy
has his portion.

I sent Sargent's books last
January through Tim Minnie, a
heap of Linnaeus works & some
on a list of Torrey as a present,
& a copy of Nat. Beechey for
which he was to pay £4.8.0
(the price I bought it at). I have
not received the money ^(bill of exchange he said he would send) to be paid
as I can make out. I had as I
am in money affairs, I think I
could not 1) have forgotten it; 2)

have omitted to note it in my letter book,
 3) have omitted to draw it. 4) to
 find it in my Bank book -- I will
 no letter of his states that it is
 sent; say that he will send it
when he has time to get a bill
of Exchange. I have written to
 him.

Foster - I have heard by me
 for months of the date for dealing
 with him; - We disposed of the

Black - 5 sets

New	-	L.	12.	2.	0
Brit. Mus.		9.	12.	6.	
Schubert		7.	5.	9.	
Opera		6.	7.	3.	
Opera		5.	9.	6.	
			40.	15.	0.

you said you did not
 want a set of
 them Foster
 things -

which I owe him, minus
 freight & trifles. - I want no
 more such. unproductive bottles.
 N.B. he does not say to whom I am
 to pay the proceeds. I must write
 & ask him. There is no need to
 send small worms.

Eggs is 1 year rather a goose - he
 writes long papers about nothing,
 or only just to reach in the hall
 as to require an answer. he is
 hating me about Turners.

I have just sent off your Clematis
 you.

Poor good of Wimbledown is dead,
 who left his Herb. & choice of his
 hardy herbaceous plants to Kew.
 - A memorial advocacy the establish-
 ment of a Herb. Garden at Kew is before
 the Board - I ~~shall~~ have pointed
 out that it is proper thing to do
 with cont. money to make it do

Dec 7/84.

Dear Joz

Reverend the Alderman
Tracy.

We are in trouble again about
Smith, whose daughter died last
night, after about 5 months of
much suffering - under a very severe
disease, - tubercle in the kidneys.
She was a fine tall girl, & a
great comfort to her parents,
who have now only the one son,
& considering the antecedents of
Smith's family, & his ^{son's} looks, I
should not count much on
his vitality. Meanwhile

John Smith's Mining has had
another engine struck by
a log which & caused death:

This has however passed off:-

I was ~~expected~~ for at 4 am
last Friday & found him
rolling on the floor of his
sitting room all alone, while
his wife was nursing the
dying girl up-stairs. His
groans were fearful.

My hands are full, & you
may suppose, so no more
at present

Yours affectionately
Mother

be most thankful if you would suggest
any improvements. The 2^d Edⁿ. was very
hastily printed.

Herbert's complexion much of shooting
y^e breadth, he could hardly walk from
Wiltshire to Charing x. I fear that heart-
action is failing, & he is evidently anxious
about himself.

We are in dire straits about Smith,
he is so weak & ill - & we have no
one in the establishment to take his
place over the whole staff! - it is
awfully anxious work. He is gone to
Cornwall.

Ever affly yr

R. Hooker

A huge box of seeds &c went to
in the steam day

July 4/83.

Dear George

I wrote yesterday & now bother
you again.

I think I sent you the fine set
of Nat. History & Wiltshire. What
worth to the Lin. Soc. If so you
have in it a regular puffler, of which
I want you to send me the specimens.

It is a very insignificant thing
from Kermadec, which I saw very closely
allied species has been lately published
by Macinroy as *Craccastrum*
see Bull. Mel. Biol. 1882. ³⁴⁵ ~~for~~ ^{ex} ~~from~~ ^{Paraguay}

R. Brown could make nothing of it &
W. plants. I made a very careful
drawing with analyses of it - for
the Linnean Society, which was
unaccountably lost.

Two years ago Maximowicz sent me
his ~~the~~ specimens, asking if I could describe
the affinities, & I immediately recognized
its likeness to my long lost Korean
plant.

According to my recollection, ~~the~~ ^{these} flowers
that I had seen were much more
regular & complete than Maximowicz's;
or rather than they than makes it look to be for the reason
as we have to describe the flower
the supplement of Gen. Plant. it is
important to note this.

No one else has found the plant
in the Himalayas, though its locality is
a very conspicuous rock, forming a
well known halting place along
one of the much frequented routes
to the passes. I have asked Dattier
of Subashpore over & over again to
visit the spot - when he could visit.

The flower very different from what I had seen.

had to find the plant (first strictly).
Maximowicz has since found it -
except the set of 1 & 2 plants
that went to St. Petersburg.

~~It is not possible to make anything of~~
it. I was inclined to suspect that
it was an abnormal state of some
Ranunculaceae thing - but ~~not~~ I
think it is like nothing at all.

Oliver, who he received Maximowicz's
specimens, received both Bentham
& Chloranthus, in opinion that
Mr. has accepted (as his own!) - but
which, if my recollection of Sharkey's
specimens ^{Maximowicz's description} are good I cannot share.

Bentham agrees to Serenoa if its
will please Sereno!!! & I am to grind
again at your disjuncting Pygmaea.

Have you any more abuse to launch
at the Strutius Britt Plant? if so
please furnish it, as I have to prepare
a new edition. John's a pack. I shall

with the Editor. That does not interest him
 & that he would not push on unless he
 improve; nothing is beneath his attention -
 & his taste & decoration is as good as his
 scientific acquirements. Practically his Director
 will let the Librarian & I simply present his
 wishes, & answer a heap of the letters which
 through the Director proper should. If he were
 to I should be at my wit's end & confused.
 much of the official work with India & the
 colonies. His sister Anne had been
 Director, & a young capable apt. Director is
 training under him - it will take some
 or several years to get into the work.

He however does not want the Directorship
 & so we go on. I quiescent, he impulsive
 practical & habitually occupying of ~~not~~
 being supported at the same time selling
 his own way, in every thing, & I am bound
 to say it is almost always the right way!

Enough my life is no disease, but I
 must not hold it for a year or two if
 life & health are wanted me & my
 children will not be seriously hurt.

Benjamin does not improve & I suspect
 as has had at the Camp. He must get a
 nurse for him. My sister Maria has left
 Edinburgh & with her will be married daughter
 the morning was at Scotland when she came
 today. In due for father & mother

You are kind
 have this, if you have
 any compass & the prints
 that please better than
 I write to a
 1st

Aug 16/88

Dear Gray

I don't understand your
 difficulty about the specific name of
Serenoa, is there any objection to
Serenoa; which I suppose, "you
 without saying" as you would say -
 I think you greatly exaggerate the
 amount of new naming in the Gen. Plant.
 I really have examined very few
 your "Woodland" list in the Herbarium
 de Dauterphenis "Les Malacines"? you
 will find almost all there. My course
 are pretty well "Woodland", with this
 difference that whereas he only
 names, I had to study & describe.

I suppose that you are going on
 off in my criticisms against your
 American system of publishing - has
 & my share in the Railway Reports & K. & L.
 Well, my back is not so good, but it
 is stiff! & as to the nomenclature of

The Gen. Plant. I have turned the matter
 over to Hall & I have, & work
 my hands of it. I shall spend
 a lifetime trying to make
 no difficulty. I should like to see
 your reference paid to Hawthorne's work
 attainments & some consideration to his
 work in the matter: but the writers &
 themselves will have their way, & the
 Cambridge Tribune is their bitterest
 enemy. There are limits to human power of work
 & I fear Mr. & I reached them. You
 say we were bound to name our species;
 the answer is, one could not do that
 without first doing the service, & we could
 not do both. You now ask me to go
 on with it: & I gladly would had I time.
 but here I am with a deep plow, &
 all by have to work for it, as well as to
 carry on my official duties - You say let
 John do there - well, he does a great deal,
 but he leaves & indeed gives me as
 much, for he increases the work immensely.
 & is behind-hand in his own, from his
 terrible habit of procrastination; & his
 growth of ^{his} over-work ^{as he calls it} is continuous & fearful.
 I keep out of the power with him & leave,

whether they agree to & make
 no difficulty. I should like to see
 some reference paid to Hawthorne's work
 attainments & some consideration to his
 work in the matter: but the writers &
 otherwise will have their way, & the
 Hawthorne volume is their children's love.
 There are limits to human power of work
 & I fear Mr. D. has reached them. You
 say we ^{are} ⁱⁿ ^{regarding} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are} ^{bound} ^{to} ^{measure} ^{our} ^{species}; ^{by} ^{the} ^{power} ^{of} ^{man} ^{to} ^{work} ^{on} ^{his} ^{own} ^{species}; ^{and} ^{we} ^{are}

[illegible]

May 27/63.

Dear Gray I enclose Oliver's answer
to your query.

You have I suppose an account
with us - if so will you kindly pass
the enclosed £2. for the Noturnal
Gazette.

We are at home again; after a
fortnight at Ribston from whence
I went up & down to West.

Smith has returned much better
but to meet another disaster; - his
only brother a carpenter in Liverpool
has had a log of wood fall on his
head & he is reported dying in
the hospital: - he has a wife & 5-
children. I up to night I have
from the Board a refusal to my
strong appeal I made for an

increase to his salary. I must own
I expected the refusal as his salary
£300 & house Coals & Garden Dr. is a
high one & I advised him against
the appeal. What however I suggested
as strong as I could on the strength
of Board resolution to open the Gardens
at noon in future - a letter to Corbier.
Ben Chapman who voted for the
morning opening in the House 5 years ago,
now says that morning would increase
him to open earlier than noon! - I
advocate a noon opening at that time,
but the Board would not listen to it.

Herbert complains much of weakness
& shortness of breath, & has been overhauled
by a doctor, who tells him he has no
disease but feeble heart, of which
he will get better. Meanwhile he is
threatening himself about dying before

Ex. Mr. A. to Jervis had. We have
made two more vain attempts to get
him to pay us a visit however short -

I have been very busy with correspondence
& sundries of late & must now take a
shelter at the Indian Club.

With love to Mrs. G.

Yr affy son

J. M. Hooker

should like the brown tiles for
my study fire place: & can make
the joints to fit the tiles.

My roof is on, & the house looks
wonderful well in position -

By the way this talk of Mich. & Mr.
going to Canada in 1884 is a grand
nuisance. - how can it fit in to our
trip to Vancouver & San Barbara?

July 3/83

Dear Mary

May happy returns of the
year to you & dear Ann Gray from
us both. The love which looks for
Joy has arrived quite safe; in time
it is on Saturday when we shall
much at Philsden while the Pettigrews
have been us for a few weeks.
We spent the summer week with the
Hodgkins in Gloucester. He is wonder-
fully well & strong though 85 & talks of
going again to Italy in February.

We left Sunday & coming home, my
wife with Grace & Reggie going on to
Torquay where my sister is well & at
with Conyngham.

On my return I find Smith no
better & we have started him off to

formals for change of air.

Heathman is going with great complacency
of shortness of breath, & declares also
every invitation - a great pity I think.

I have just received letters from
Katie & Carl.

How strange that I did not send
you the 2d part of the New Zealand
Handbook, my last effort at copywriting.
I have ordered it to be sent to you
a present of course.

As to Serena - it was only after long
consideration that Heathman decided
on it as unquestionably the right
thing. Serena is a case in point.
The poor boy had to hesitate about
a small sacrifice for Leaphors -
how do you say it is hard for being
feminine, like Grace, Hooker.

Candolle & L.H.L. I wish in whole
Heathman says (he is not here to day)
I would suggest that S.W. collect
himself "Serena" - in the simplest
way out of it.

I have no more news & books
of letters & visits

in all of you

M.D. Hooker.

I have had a heavy burden of work
with the Antislavery of Rev. J. Hall
& severe pain now comes to make

one with undiminished satisfaction
do you know any thing
like it? The result is an
clearly seen half their
everything ^{it is not uncommon: of course.} I do no character of

The High Stakes - they must be
into prospects.

Please let them know that I



The fire-place shelves were settled,
but until the grates are determined on,
the heat will cannot be fixed.

There is no hurry. It will proceed
slowly but well, & the weather is
turning well.

Hunt is not strong: the Rodgers
will take her to Cannes with them
in a few days, & Dr. will follow.

Clark goes back to India early
next month. He has finished the
Cauliflowers & M. S. L. heavy new
Scriptures & Labr.

As pitch into Mueller for checking
the manuscript of H. Amthor: it is
immense - it is too bad & a great
step to Bentham. I wish Prof
A. L. would take up the matter of
a uniform system: a bad one is better
than none. Ever affly,
W. M. M.

Fry 19/83

Dear Gray

Ming's specimen of
Chrysanthemum narrow are
identical with Blennierhennae
Californicum.

We have no authentic specimen
of Taraxacum penciliform. We
sent Clark to Brit. Mus. to
hunt, he found Nicholson's
things not yet laid in! &
no Taraxacum was amongst
them.

We have now selected all
we want of Schimper's Lichens
& a splendid lot is left. I
think I wrote asking you whether
Farlow would have them. I

Do not remember if I put a
price - Baker values them
at £30 - say £25. If you
do not want them I dare say
that Ruppé would be glad
of them - There are fine sets
of Spencer's & many others amongst
them, & they will take a large
box. We disbursed the money
in employing Chamberlain as an
editor.

There are news - Henry Smith
is a great help. I made him
Chairman of the Metropolitan
Institute, & we shall not
be able to replace him.

[Mem. G.]
You told us of Miss Chamberlain's engagement
but died and told us to - when - 'It
is to a son of Sir J. Russell - we
only knew then & that - Miss
travelled abroad to New - via America!
Bentham holds on, but complains
much of rheumatism.

I have finished the book
for H. B. I. !!! - an awful job
There are many new names still to
be made - I had to create 4 or
5 for B. I. ! & there are others
just over the frontier. ^{408 p.} Hope ⁴
Leopoldia ³⁶ ⁴ there came in the
end of trouble, & between them they
have very wetted the bottom out
of your copper substance (hyperbolically
speaking).
Love to Mrs. & the children of

We are doing about Antennaria &
have written to Balnigeth of the
Cambridge men

27/29/83

Dear Jey

In private please thank J.
Watson most cordially for Dryopteris -
Thanks for having H. J. for Nat.
Gazette: - also

- I owe you for Fish Green - would
you like to set ~~these~~ ^{these} against the
6000000 attending the printing &
transcript without the deposed by us
of the poor collection? As far as
Smith & I can make out there
would about meet - one another, I
mean over actual outlay.

- You say you cannot remember
where Circaster is described - Surely
I gave you the reference in my letter to
Maximovich's description of the Bulbina.
Benthams like innis or Chloranthus

Syngrapha carpes, - we have this in the
tank at Kew, & to the best of my stupidity
I took the character therefrom. I dare say
that I mislabeled it with Bontouria, or
something else - Michaux says it is a
water plant: - wrong of course - but enough
to justify our treating it as such.

Clarke goes back to India next week,
leaving a good lot of H. M. M. M.
Munipellaea in my hands, I have however
to do Scrophs & Labiates.

I am printing instructions, & a revision
of many with Reddome & Clarke agrees
me that I have done them pretty
well, but it has been a very heavy
job. There & Clarke's work with J. H.
St. & J. H. P. are also gone to press.

I am exercised about British Flora. I
would arrange it now by "Girardin Montane"
throughout - & this requires considerable
alterations.

Mr. Millar is calling for a new edition
of the Primer with more woodcuts -

Matters are coming to a crisis about
Smith, he does not get better - much, &
he has to own that things are not as
they should be in the Gardens, Greenhouses,
& houses. Deer & I are looking to
organize a great reform in the
administration, especially as regards
Governess & Gardeners, who are now
out of discipline altogether & much
unsatisfactory, besides being over-paid
for the work they don't do.

Altogether we are very hand prepared
just now - we are to have a consultation
at the Board about it tomorrow.

Harriet remembers Mr. Hodgson to
Larmer on Saturday - she is thin &
poorly, & Deer will follow in about
a month.

Thanks many of the notes of British
Flora.

Yours
J. H. M.

J. H. M.

March 16, 83.

Dear Gray,

The missing Gault bundles
are all right & will be forwarded
with the remainder.

All the packages for Steen that
came in your last have been
forwarded as requested, except Blake,
& for the Lake, which will go in
due course.

You say that Lemmon's parcel
contains 80 species, charge \$50.-
but it contains only 60 species
Pringle's contains 80.-

With regard to paying for
Lemmon, I should think he
would not be hurt. Not, seeing
that we sent him a truly great
collection in 1881. including the first.

lots of duplicated British & European
of a general character
2 bundles of
Gleanings & 44. C.H.P.

You will have enough of
Growth Allen's Speculation Notary
before you have done with them!

What is the sense or meaning
of Goodale's review of Vesque?

I have not read Vesque, but
Goodale is absolutely intelligible,
from beginning to end. Do just
look at it. & tell me if I am very
stupid.

Swish my love again & I
am sincerely embarrassed. - I ought
to be pained - the poor fellows
has within 8 months, lost his
father ^{only} & only brother, &
would be cruel to him in view
of home & home & mother's loss

in view of a half the old state.
We are showing what is best to be
done, meanwhile he has no notion
of resigning, which will have
to be faced or him eventually.

Edw. J. P.

W. H. P.

of the Carden, for which I neither
despise nor the opportunity, &
shall have a very genuine
to see in us. As I propose no
further benevolence I expect it
will go off well

My wife & I called on Brewster two
days ago - he seldom comes out.
Now - & complains of increasing
breathlessness & of being very lonely.
It is distressing; but there is nothing
to be done - He is the most ineffectual
man I ever met with socially.

Ever affly
Wm Lloyd Garrison

Wm Lloyd Garrison

Mr & Mrs Gould spent last Sunday
here. We liked them very much: the
latter to look solidly.

March 24/53.

Dear Gray

Two cases left this morning
concluding the present collection. They
further contain

1. Bundle New String
2. New Garland (caterpillar)
- 1 Parcel for Fallow from
Plover's nest.

I have just found a dreadfully
blundered in the March Farmer
No. 918. 73 (argyle), line 7. for petals
"toto vincta cete", read "valvata" -
which is the character of the
whole subtrile. I am in fact I
retained it - upon.

I have just finished cataloging the
live fishes here for the 1852 Report.
- we have upwards of 400 species. The
naming of them has been hard &
very unsatisfactory work.

I am writing by this post to
ask you what prospect
there may be in America for
my son ^{William} starting in the mining
or metallurgical career: whether
with such small means as I
could give him, notably £-
12. annually, he could be put.

The way of a modest livelihood
to begin with. Having three
more children after him to

educate & put out I am much
anxious to get him off my hands.
He is perfectly stupid, hard working
& of fair abilities. ^{In his} ~~his~~ ^{own} words,
though not brilliant, at school
H. class. - If I knew Lamborne's
address I would write to him.
Can you think to me? or would
you mind asking him if he
knows of any opening.

I have not been going right
lately, trouble with work is
the cause, & sleepless coming on
regular in the evening, so that
I can hardly hear what is said
to me even so distinctly. I suppose
it will go on in the same.

We are going to make considerable
changes in the internal administration

your definition of Aerogens (Man. Bot.
Ed. V. 32.) which attributes to all
Aerogens woody tissue & vessels.?

I have been reading Carlyle's life
of Words, when the whole the more
depressing taking the kind that I even
misunderstood. - What is your impression?

The House proceeds very slowly
but the sort of work & the material
are altogether first rate. Query - is it
worth it? Perhaps as an investment
entering not as a outlay for my
life or my wife's.

With love L. M. Gray

See when old boy

Yr aff

J. M. W. W. W.

I read you & Remond's contributions, but
I must say without the subject I would wish,
there is much beating of the air in the least
metaphysical - logical descriptions.

April 6/85.

Dear Gray

Does Vasey of Dept. of Agriculture
get a share of good plants? Have
asked this, because Vasey has sent
us a lot of good things, & we have
25th specimens of good to distribute,
which he might have.

The standing year the good plants
has cost us. (Carton - £1. 7. 0

Shipping away 1. 16. 11.

Boxes. — 6. 25. 6

£ 9. 18. 11.

Against year

£ 4. 10. 0

5, 8, 11

Shall I send you the bills?

Harriet is gone to dinner with
Mr. Hodgson, & I am left on
Tuesday - I wish you as soon
as I can spare her, on 6 months
leave - I am a dearhain - I am
heartily sick of the administrative
duties of the place. I am taking
the official correspondence away,
& in great help in all ways
- Museum entries, Laboratory Inter-
Pol. House, & other papers - in
I should not complain.

Wife is gone with Joy to Western
Europe where her parents are

for a few days only - Joy has been
suffering for weeks with the sudden
heat, for this, like every season
I ever knew, has been the most
extraordinary ever known!.

Nevertheless my proof, & proceeds
unusually failing fast: but I hardly
see it, though I do see gradual
change. He told me he had
lost a very happy life, broken by
my two sorrows, his wife's health
preventing his keeping company, &
the Lincoln affair, which he
regarded as having shattered
him mentally! - Of course I tried
to dissuade this illusion, but
without much success.

Is there not a slight error in

his affairs. His ^{great} niece will inherit of course,
but he did not give me details of his
will.

I enclose sketch of the Charing Cross for
Mrs Gray's kind attention.
With much love to her

in affecⁿ

J B Moller

Spethwood is my home. In winter, I have
moved to Riverside. My wife has been
a week & has with something of the
fever. Francis will be here to day.
Moses of Jamaica with which Slater is
may be come to England; your wife
I think like him & his wife too.

Answer

Received April 1843

April 28/43

Dear Gray I enclose Allen's well headed
answer to your queries about the
Antennaries - I guess you have had as
much a job with them as I had with
the Insects. I should be sorry to have
to collect them of the 2 countries!

I am grubbing & turning - I've left
for Port au Prince & Smith for his
6 months leave. I had a complete
overhauling of his stuff before he left -
& have prepared some good illustrations
which I am trying to work through
the Board & Messrs. Poor Smith has
let matters slide terribly for some
time past.

Heathorn is my good, & hardy man
to keep & take, weak, short of breath
& my love about himself. We do wish

he would come & pay as a visit... We are
about to drive in & see him for the first
for some yesterday we found him completely
absent in one side. I shall tell you how
he is before I close this..

That Irish specimen of the L. Canada is
a horrid misnomer & with, I think breaks
at the articulation. At the articulation
with the web which mounted strong
& then out the paper into L. Canada
in 1883. After they left a ^{few} ~~one~~ stayed
behind & prospered & carried 1884!

There is not the worst of the animal
from which H. P. of Water L. in President!
With 2 others regard on a genuine
show-come: it is said in the report
if the margins of some retains the
good quality...

27. I have delayed sending this
copy to London with it the idea of
the great drawing of the tales which
the copy is best view. The picture

That both the drawing pieces & the
plates had to be chosen before
the share for tales can be allotted &
we have been much & worry about
both between the styles & patterns
specimens that they are very much
divided when. My inkling goes
much more into my detail of the
room, for ground to attack & nothing
seems too small for consideration -
I never saw such work put into a
building, it ought to outlast the pyramids.

Newton holds my proof. & I go &
see him in London whenever I can. I
went last night before R. S. L. to
ask him just too week to come -
he showed me a letter he had just
written to Mueller, a calm vigorous
protest against his "Consequences" - which
shows an Australian sympathy into little
comprehension. He has given me the letter to
show to Oliver & Henry before printing it.
I will take a copy, & with his permission
send it to you. He had me in to
take his last directions the other day as to

New May 30/83.

Prof Asa Gray

To Sir J. D. Hooker for expenses of
packing cases, cartage, carriage & of Herbarium
specimens for the Royal Herbarium, the sum of
Seven Pounds fifteen shillings & 11d.

Reverse the above

£7. 18. 11.



for some months, which keeps me
very hard at work. - ~~Since~~ My & my
daughters have returned after a
mercifully brief stormy month in N. Italy.
She needs the better - he not so much
so. This absence of Smith is enabling
me to initiate many important reforms
in the staff. which cost us an awful
amount of correspondence with the Board
& the Treasury. & no little movement
amongst the employees - it is an awful
bother. & what to do with Smith when
he returns will be a difficulty, for I am
sure that he will never be able to take
work again.

Mr. Reed Grayson has been changing
our wills - Edw. needed. certainly two
speakers, one at a huge dinner, which my
Lord attended. Badly enough, & was
informed at the same dinner that the
Council of the Society of Arts had awarded
me the Albert Medal medal & what I
must do at this in the way of news

June 1/83.

Dear Gray I have several letters of
yours to answer. (May 1, 9, 14) -
First of all let me record my much
grateful thanks for your most kind
& self sacrificing attention & regard to
sale of Edw. Martin. This before you has
been no small comfort to Elizabeth,
who, through such mercy, has an
eye to recompensation that I never had
in the same way at all. I often
wonder whether he will ever see his
money back:- he has never let me
advance 1/4 for the printer & since
the 2^d or 3^d part.

I am glad to hear of Vasey's
temperance, & of his share in the
poor Hebarn.

Elizabeth has paid over the
£5. 8. 11. I shall send a bill as soon

respects.

I find no resemblance of "Anderskyten,"
except in the way of treatment
of the, & you do not say, in the
that you see Anderskyten is a limited
sense.

Mr. Smith is I do fear failing fast.
He has made a last effort to be
here with his servant, last week,
for a few days at any rate - but he
would not listen to it. He is very
exhausted, neither eat nor sleeps
well, & complains of weakness &
sharpness of breath. He rarely comes
to bed, & does just nothing but sit
in his chair when he does, & says very
unhappily about him.

As to my house & grounds, I do not

let them bother my head. They do work
a great deal; but when a careful
scrutiny met more than they ought.
& I shall hope in a year or two to
have cleared off the debt. After all it
will be a great deal, but must surely be paid.
Yes, I suppose I have better have it

left out of my consideration of
the word - but I really supposed that
there must be something in what he
said. We took a good deal of pains
with the definitions.

Mr. James & we have had out
here, my wife called as soon as they
arrived, she is as bright as ever.

She also called on Miss Higgins
- daughter of a man removed here -
& we have talked her over.

Antennaria at last, I have
sent you a packet of seeds - we
both of us thought it superfluous
to send the sorts you yourself had
named & which were well known.

Smith is still away & will be

It is my deep pleasure that you are with Mr. James.

industries. - You cannot tell of our
(as you once observed) as a Prophet without
knowing his own country: though whether
I am a prophet or an imperfect seer
I have seen, probably a crop, as most
prophets are & were.

Agassiz has told me of the great
loss the National Academy has
suffered - which affects both the
medals & the great deed she. -

I am just ^{drawing} ~~preparing~~ Neveia from
your seeds. for Mr. May

Wanderer is home, & maturing the
scheme for the education of the French
officer for Indian service in England, the
Rector of Rep. University to be taught
at Har. - which may lead to our
getting the old Palace, & its outbuildings -
but nothing is matured as yet:

Yours affly J

J. Hooker

June 2/83.

Dear Gray

We have had Mr James
twice - Mrs J. has brought an
c Photo of the timbered, preserved
of the Museum, & wants us to
buy his paper - not worth
our while.

The Pickering turned up at
the R. I. Louis' store, we shall
have them out.

Miss Bigelow was here to day

Joadi Rae & Neeli. He gets
disgusted with them a few
years ago, & gave them all to
Kees, when Baker instructed
myself & distributed the pork, I
knew not where.

Spettiswoode is very ill, with
typhoid it is believed, caught
at Denver - today he is a trifle
better, but his state is critical.
Neeli is very low with an
attack of bronchitis, & very

feeble. I called yesterday, & Dyer
died today, & found him a trifle
better. I cannot tell you how I
feel for the poor fellows, all
alone, & unable to leave the
house.

Ever affly
..

B. Brooke

Churchyard & left it there.

Herbertian Planchet - was in with
the other day that he resolved to go to
Kew - but came out to Kew
next day / fresh - time for weeks / & got a
little Vaccinium - he is terribly attracted
by pebbles.

Alph. Scudolph was asked to write
a review of the ^{for Nature} & sent in
shabby one that it cannot be printed!
It would give such pain to Herbertian.

By way of getting a fair review of the
series it is sent to Hall for his opinion
& I thank you very much for his
answer. It was partly my fault that
A.D. was applied to; - of the reviewer
I hope I have nothing. I was shown
the review & could not help regarding
it as injurious to the work & to Herbertian's
position as a Botanist.

Copson is now applied to, but I
greatly doubt a much better result
Gordon has just called.

He has been - again when it takes answer.

P.S. I have just got a package
from the Berliners, containing much fine
information - his illustration is great. } small
D. Hooker.

June 29/88.

Dear Gray I keep the road in the Bot.
Mag. - I really am distressed about that
work, - coming monthly & the drawings
& plants by dribble, now a drawing then
a lithograph, then a better, then a set
dislocated over it, & lose head altogether.

For more health I choose times &
seasons when I can get undisturbed
hours; - but Bot. Mag. must get
minutes as it can & at any hour of
day or night. Now too that Smith
is away on 6 months sick leave &
all the horrid detail work of his
turns on Deer & self, I get utterly used
up.

You have procured for me a very
kind letter from Lambour with much
excellent advice about mining &

prospect for a young man in America
wondering who with "H. H. H."
"are the circumstances, I might
"find it probable to be of some use to
"you on the premises". I am writing
to tell him that the utmost I could
forward to him is getting into a
reputable firm to gain experience,
at no salary, provided there was a
fair chance of a share one when he
became useful: adding that I wish
with him ready, & prepared to crop
the "tentacles" with his pick on his belt.
He will want to take out a lot of
books - please tell me are old & used
ones liable to duty.

Spafford's death is grievous; - in
caught fever at Rome, never rallied
& made up his mind to the end from
the porch - he had been to the candle
at both ends & the middle too, with
burning, science, respect. Society &
no end of things which he would have

better let alone. Great efforts are being made
to get him buried in the Abbey, much
suspicious of I think, & I refuse to
sign the Memorial. I have seen the
dean about it, who was startled at the
request, & agreed with me, that there is
no case, but will consider a Memorial
if duly signed. Great as I admire &
dearly love Spafford's work I cannot but
know he would refuse to lie by
Darwin, Locke & Livingston. As it is, his
his social qualities, wealth, & good (with
great) works, will command any
number of signatures from this
generation - but how many would the
next give! Then too, men who
revere his memory, feel themselves
bound, as ^{friends of the family} to sign a Memorial in favor,
set up by Dr. F. Pollock & Morison,
men who have no business to put
themselves forward in such a matter
as representation of Science. For my
part I have always disliked the idea
of Abbey burials & would have far
rather followed Darwin's body to Down.

July 24/83.

Dear Greg, I have just read your
heartily done & in the "Gazette".
I shall take it to Mr. Moulton tomorrow.
He may be said now to be little short of
bedridden. ^(the reality is) had not seen him for
6 days, for really he seemed to avoid
to be any one that I rather stood away.
I found him in bed & far more cheerful,
- much anxious to be able to give
precise directions about his funeral,
which I am sure will not soon be
wanted if he will only be of good cheer
& ~~take~~ ^{find} himself. That charming
article A. D. had written to him
telling him that he had written over
his article to improve it - (which, I think,
he would be allowed to do), so I could
not help telling him that I heard
all about it. I added that it was
clear to me that A. D. had never
looked inside the work & was absolutely

May. & James is showing flowers &
cattle in Doorn.

Katke of Berlin is here, a green man, he appears
to be in intimacy with the Museum people at
Berlin. & went to form a Herbarium out
of the garden here! He can speak
highly, & very bad French. - he is at work
on Willdenow's African Plants. -

We have had a wretched spring and
summer with no warm weather till
now when it is close & hot. The crops
in good, Apples prodigiously abundant.

I am indeed obliged to you
for letters in regard to Meun. he is from &
looking out himself for employment. - from what
I hear America is the best field & with his
industry & steadiness he should be a useful
man in a new country. I am in correspondence
with Messrs. Lammerson ^{wrote} saying
that if he knew what his qualifications were
he might find his place in his work.
Now I should like very much, as I thought
very highly of L. - I am extremely grateful for
your kind offer of receiving him in Boston.
His going would be an additional inducement
for me to go next year. I had the offer of

the money of the party which was just left for Canada, but
I could not get away this year. An ally of the party which was just left for Canada, but
I could not get away this year.

My dear Gray

The tiles are in place & I pray tell
Mr. Gray that every one is charmed with
them. How I wish you could both see
the house now that it is nearly finished.
- The ground work goes on nicely &
I have many an acre of potatoes which
will be sold to meet my expenses.

Kentham is materially better, but
very weak, he cannot (keeps) walk
except the room without a stick & a
maid, but is free of pain & gets drowsy
every day. He is very weary of inaction &
cannot read much.

I have little news in the garden
or Herbarium, Deen goes ahead with
improvements in the houses & Museum
& I go up & down from this place,
do a good bit of correspondence & garden

Mount Cottage
Windsorham.
Aug 27/63.

number stations. I am busy at a new
Zoo Garden, & a new
edition of the British Flora
which is a heavy job. But he has given
me many valuable notes. He objects
to the cutting up of ^{the whole} species into subspecies,
& I am not satisfied with it myself; the
making the type one of the subspecies is
the ugly part of it. I have thought of two
ways of getting out of it; perceiving that
the class ^{as was} should cover all the
subspecies as well as the species proper,
I might make the description that
follows the diagnosis suit the type ^{only} &
append as was the subspecies -
or I might do as I now ^{do only} "distinguish" for
"Subspecies etc. proper". The words "Type of
Species" - You may say why not abolish
the word subspecies & make all
varieties, but I think that notwithstanding
the vast amount of forms that oscillate
between ^{varieties} species & subspecies, there are
many cases in which the latter are very

fairly related to the forms. ^{then} I have been careful, consulting with the
best of my Nyman & was surprised to find
how different at various points he is with Baker
& Haldeman, in the making of Rosa, Rubus,
Hieracium etc. Nyman under many
names or synonyms, both British &
German & French, is also the large genera.

I find I must keep at 5 or 6 species
of Batrachium, the consensus of opinion
is too strong against lumping them
any larger; & about Hieracium, the various
lumpers' sections of species fairly well
as to their limits.

I am also thinking of writing during
brief allusions to Porterosia & Porterandia
& noting the numerous ^{plants} Phidippus genera. I am
looking at a good many ^{insects}, & find
synonymy rather a heavy affair.

I had a flying visit from your Senator
friend the other day.

Your & your correspondent's notes on Attila
book are very interesting. I have just
had Solarium Maeplia drawn for Bot.

are not settled as to what to do with subfamilies.
- that there are many cases of distinct grades
of forms in the genus is I think certain.

& it is rather a question of words than of things.
You do not like the term subfamilies, & I
may drop it, keeping the same name for
them & it is for lower variation. I shall
note the *Hebardin* hypothesis before I
make up my mind.

I have just printed *Scraphs*. for the
Nat. Hist. Society. Latter & Supra
I think of Orbicular with great
reluctance - I think it should be
divided between *Scraphs* & *Cyrtodromes*.

I am compelled to write *Campbell* &
Christians & wish *Heulth* had done
^{nothing at all} *Edward*
I wish too that he had omitted
half a dozen of the *Vandellian* genera of
Scraphs. I think too that he has made
too many tribes & *Scraphs*.

I am now revising *Charles* *Academy*
for prep, rather a laborious job, & not
at all exciting.

Smith returned to duty last week, pretty
well for him - but he will never again be
what he was. He is so so, not over strong.

The Camp.

Oct 13/85

My dear Gray

I have been so terribly busy
for some time past, so I should
have written before if only to have
thanked you for your letter.

I am therefore greatly obliged
for your letter which I hope gratified
him, but from now he seems to me
to be very miserable. I call every week
without fail, & sit 1/2 - 1 hour or
more - He now sits up all day, &
generally gets a ride to *Ballter* Park
- he says very little to me, never asks
me to stay ^{or call as you} but thanks me when
I go away, "for my visit". He can walk
across the room, but hardly do more.
He has so few friends, (the *Gottens*
are almost the only ones who he sees)
& so few interests, that the time
must hang very heavy on his hands.
We have been living at *Sumner* Dale

clubs etc. autumn, 1 going 2- room for
3 or 4 days & after nights weekly.
into "Moorh" -
Guthrie's bar, Feb
for the first time;
& slept there, & today went to see Parish
(Minneapolis)
& heard a sermon on the 6 winged Scorpion.
treated physically as well as spiritually!
We like our house very much, but
have been badly bothered by running sand
in the well. Your letters are universally
admirable, pray tell Mrs Gray. Left women
of the & you will see in them. I never
knew the Great Salt Lake at Hopkirk.
without writing that you had seen it -
By the way at Water's nursery the other
day I saw some a series of pieces from
Engelmanni & Maryana to Mengierii &
staggered me. - also plenty of Cercaria
apparently different from lenticula,
but very variable & very near it.

I see from your letter to Brewster that
you are going to take up "AHL" last edition
of the Leri. I wonder how you will treat
the boxed question of quotations from
the German Plantarum. - Brewster & E. M.
where Brewster has merged a genus without

specifically mentioning the species. It appears
to me that this course is unworkable for
the species that Brewster is supposed to
have known or known of sufficiently
well. I do not see & doubt that Brewster
could be entreated to be quoted. Still, I
am told, would hinder the citation of
Brewster. In M. L. cases where the species
is verbally mentioned - if it should thus
apply to convoluta or lenticula?

With regard to the non citation of
Adams & Townsend in the large parts of
the German, it should be borne in mind
that Brewster did not intend it to
be supposed that Linnaeus was in any
case the author of the German, but that
the German was of "Linn. from Planch" - the
agreement was for the only escape from
having to quote a lot of authors who
have given single names to genera.

I am very busy still with the new Guide
to the Species, & with the arrangement &
nomenclature of the Arborescent. Also with
the Michael Flora which I am collecting with
Nyman & Herman Mueller. It is much
laborious job the revision of the subordinates
I am however obliged for your opinion, but

one of the Palmers for this year (i.e. 1882)
which from Deer is always going to send
to keep! It cost me a horrid deal
of fog. My were so hurriedly named &
the knowing was so bad. We have
now the finest collection: I suppose
though Woodland is the largest etc.

Ever affly yr

B. Hooker

he has done an immense deal towards the
organization of the Garden staff & its duties
during the last.

Westminster, &
with admirable effect. & has
taken very much of the work of the
Garden & houses. Smith's absence has
thru this upon us, & we have thus
made a serious improvement - which we
could not otherwise have carried out.
I should say however that we are
blest with some excellent foreman
& detachments which for many years
were very badly filled. This we owe
to the higher way.

My great trial is still the feeling
between Oliver & Deer, which the former
shows too often. Oliver's views get narrower
every year. & though he profoundly esteems
& respects both his place & his collaborators
& Deer & myself, he cannot bear to "give
& take" with us. We have had his son
Frank staying a few days here with us, a
perfectly charming young fellow, now
gone up to Cambridge. He tells me that his
father will take his pension the moment
that he can claim it. & cut him - This
will not be till he is 60, nearly 7 years hence.

or I hope we shall get a good lot of
books out of him.

At the Herbarium we

a good purpose is

have just had

the turning up

of Kiehl's book collections of the Gamabers,

specimens of 1858! - I received a letter

from the Supdt. of the Portsmouth Dockyard

asking me to remove 4 cases that I had

deposited there in 1878. I at once wrote

marveling what they were, & ordering them

to be sent up to Her - while they came

all ^{originals as} ~~being~~ directed to my father's ⁱⁿ letters

as long as you heard & as visible in 1861

I sent home 4 or 5 more of waste. They had been

expired for over & over again in Paris.

Marshall to say they (being packed in tin)

are in admirable condition. Amongst them

are the fine collections he made in

the West some 12 high. near Lake Nyassa..

Walter of Aberdeen has volunteered

to be the Kilmantjara representative of the

Can get leave to put a substitute in his

chair - he collected admirably in the

Amazon.

Balfour is engaged to be married in

January. the Glasgow young lady, a connection

of Thomson's. He is printing the Southern
Flora.

What are you going to do about the Brit.

Speciation next year? I have not given

up the hope of going to America next

year, but I wish the N. A. at Johanna.

It is long since I have heard of Tassent,

has he yet begun to prepare the Arnold

Arboretum? - I wish he would come over

& see the Herbarium. I have made great

advances since you were here & shall

more get before I have done with it.

I should much like to make a book

on it - an "Arboretum & Fruticetum Kewense"

- though I am in utter desolation over

certain genera, as *Fraxinus* & *Tilia*.

I am very sorry to hear for the

Engelmann has returned without

visiting England - I am sure he would

have learned much from seeing the

Carex of New Zealand & other

places. I have a great mind to

prepare a catalogue of the New Zealand

for much years Robert - I have done

With the first set of appointments, but
I forget at what price...

We are both hugely tempted by your
proposed trip, but I do not see
how I could get away for so long.
I should like to move Arizona
& California business, but to stay
in for Montreal & Philadelphia
would be impossible for either of us.

We are very busy with the Estimates
for New year.

I am writing in the study of "The
Campa" with the Gray's & even pretty
titles at my back, we are heartily
permeated. I wonder if you will
ever see us here? I should say
another cruise L- that with you both.

Ever ally
W

W. Hooker

October 28/83.

My dear Gray

I dare say that you are
kindly wondering what has become
of Brian & the things have
turned up that have necessitated
my plans concerning him. One
the prospect of a post as Assayer
in the Melbourne mine, bringing
at £200. with a fair prospect of
£1000 in the long run. ^{The other} gold & silver
that of Assayer to some mines in
^{Montana} ~~Montana~~ belonging to a Company
of which Mackay is Chairman.

In either case determinations are
wanted of his being a geologist &
accounting assayer; & his visiting
students anticipate, though a very
good one, is of course for students
work only. So, acting under

The best advice I could get. Brian
volunteered to take some
weeks work at the
School of Mines. Leventy is
a very good & clever, & is now
then under the immediate
supervision of Prof. Roberts & his
second man. These both speak
competently of him ^{after a few weeks} & to
summed him to either part;
& the former has kindly offered
him work at the Mines, under
his own eye, (Roberts is a partner in
the Mining). So, he is not any thing
wondered at; Brian is
a work in title & more, & I only
hope he will be tempted to take
some inferior appointment, for at
23. he is naturally anxious to be
up & doing.

I have no news. I see Hawthorne
weekly & about as usual - the

how fellows seem very miserable
having no occupations or sympathies.
The complaining of failing strength, but
I do not see it - he gets a daily
drive, & cracks up stairs in the
afternoon. I cannot get him
interested in any thing, though his
mind is as clear as ever.

Holborn is about to be married
to a Scotch lady, a connection of
the Thurns (T.T.). - We go next
week to the marriage of the only
daughter of my cousin Hugh's Holborn
at Yarmouth; the clergyman
is Mr. Barker, with "reputation"
& as she has some £10,000 of her
own they will do!

Barker is selecting from the
remains of Gals' Thurns: when
there will be another division of
disputes - with you or with
them as before? I think you

morning early & leaving to & back with
some money.

You £1. for 100 seeds do my work
for grass plants.

We are in treaty further & more for
Kilrimangjard also has been in dispute
& done some work -

A nice map was seen in with Rapp
& the Lordship.

Hardy came in as P.R.S. with a
flourish of trumpets & a capital
reception - The dinner was a splendid
celebration of the "Mutual Colonization
Society" life & works. Several made
the speech of the evening. He brought up a
story of the P.R.S. & G.M. - relating to the
dispute between Franklin's ^{points} & the
Consenters & our knots of the day. which the
S.S. settled in favor of Franklin - upon which
G.M. remonstrated with the President for taking the
side of the Rebel American against his countrymen,
& wished him to reconsider the matter: upon
which the P. told his Majesty that he regretted that
he could not reverse the laws of nature; which

He
thinks that you ~~ought~~ to send it
with him & then try in path
H. Miller

Dec 4/89.

My dear Gray

I have yours of 10th Nov. but
have been so busy since that I
have not had time to answer
it. Inter alia I have been pushing
on the making of the Interster
Collection, which becomes more &
more difficult. I feel sometimes
in despair. Take your American
Ravine for example. I do not know
what names to put on many of them
we cultivate, ^{with the written fruit on flowers.} you helped us with
some. - I am glad to see your
notes on Wenzig.

Herthorn appears to me to be
"Haterger", though he would insist
on my Aunt Jean's translation of
that "always worse & worse". But I

do not see it - he declares the coming
winter - it has not come yet! & now
the sun is shining lovely though it
is cold at night.

The publishers are keeping me
hard for British Here, which has cost
me no less of trouble & will take also
much & months more. I wonder if
by the American Here will get into
the same state of unstable Equilibrium.

It is diverting to see how utterly all
Gelp-humbers, Newman & Robinson are
in Numbers &c

As to Subspecies I thought I would select
principals of those that are the books.

Maui & Hualfou as Mafepur, Oahu &
Mokai as outsiders - none of them will
mean of giving all the terms & would

Regress to Mafepur as a retrograde
step in evolution. After all, if we see
to have Mafepur & Mafepur, Maui &
Mafepur - why not Subspecies?

Harriet is very much weaker & we
are anxious about her, - she is prostrated
with fainting fits, rheumatism (what
that may mean), & functional (? mental)

heart disturbance. She is reduced to
occasional position & months of
rest.

Suddenly Mr. Symonds elected to by M.
Camp & came there last week, with
Mrs. Symonds. He is very ill with Cardiac
disturbance & can not lie down without
terrible spasms. which nothing seems
to relieve effectively - he has spent
the whole night & is now on his legs.

His feet are much swollen & he is
greatly reduced. Mr. Symonds is worn to
a shadow morning him & looks very
ill too. Hyacinth is delighted to get
them to mean us, & has sent Perry to
help to nurse.

Mafepur will go to for Oxford, he is to be

There is yet employment - space,
 where a perfect Cumbay of good standing
 has brought up the mines which he goes
 out to report & up on a 3 months
 engagement at £15 a month & travelling
 expenses. He left us a week ago
 in high spirits.

We have got £500 for the Robinsons
 exploration for the N. A. & £500 for
 the N. S. Gold Grant, & a very good
 man infirm who had been at
 the ago with a party of Garzibares
 & knows their ways - a Mr. Johnston
 clever, a good writer & sketcher also.
 Most studies attention I am sorry to
 say, but improvable & much ready
 to learn.

A big box goes to me through the
 Southampton

Yours affly
 W. Hooker

high name. Lastly the notice to me of
 the citation of an author's name, is
 the weight it carries with it.
 I regard it as of great weight
 importance to know that such a man
 as Hervey, engaged in such a work
 as Gen. Plant. referred Carolina to
Senecio, whom I should say, subsequent
 Campbell, Wendell, Catalogues - Walker,
 & others who may adopt his
 conclusion & cite it as their own reference.
 After all there are such things as
 doctrinal cases, - to be dealt with
 not according to the letter, but ^{the spirit} of the law - I should have
 spirit of the law - I should have
 Garzibares' Power & weight given to Hooker's
 Esophila &c. - All names attained
 a more self thing than "Never make
 an assertion say what which he does not
 say" - ^{but} say him a coach & six
 through London "Yes" - I take
 down a vol. of Gen. Plant & let it
 go to show - it is p. 11. 180 - & I say
 that B. puts all the species of
Heterocarpus into Senecio perennans for
 say he puts the masses only, not the
 species - I cannot follow you.

My impression is that the number of
Cores - in March 1st which the church
has attended to - for the benefit
to be gained, are so many, that
you cannot pick & choose between them
& the more loosely worked. 1) What
is overlooked cases & have been
the species have been referred by others
generally to the green-tinted green, &
that the additional greenery will
not be so great as you anticipated.

3) Should not the translation represent
the latest revision of the system?

History. - 4) Legislation in the wild, there
are many of people who will refer
to the their names to species referred
by themselves to their proper species in
simplicity or by simple mention.

I am still very busy with the
British flora, I quite agree with you that
you have no room for subspecies in it
American flora on the other hand, but you I suppose
will have to admit them when they
there are in number enough.

stands
~~stands~~ themselves on attention. I shall
not get through it for 3 months yet. - I
and require the Labiates of H. Rich. but
but had to throw it off for this & for
a heap of other matters. The new New
garden which I have had some
most for; & the Libretum which
I must do myself. We have
been very little out, but a good deal
at the house, which is a capital
place for work. My wife has no
doubt told you about all the
arrangements there. I suppose has been
better & worse but is very good now.
Harriet remains at the same level
level of vitality & is kept very much
in the dark. Fortunately she keeps up
her spirits. The doctor would allow
that there is very little of her mother's
case in it - but I feel sure there is;
& strong incline to the opinion that
a badly nourished heart is at the
bottom of it. In both cases or some
such affection of the circulatory system.

room & allowed to see me for a few minutes
only - she looks up her spirits somewhat better.
a nurse is got for her too. Hyacinth is pretty
well not complaining of weakness.

Balfour is married & has been appointed to
the Belfast Chair of Geo & House in str. - Mrs. B has
money, & I suppose his father has left him
some. The latter died unexpectedly at last.

Many thanks for your last letters to my
wife. As to *Spirina* & Gen Pl. I shall be
indeed with what a small number, say
Hall, Oliver & I see decide in the matter of
standing without pledging myself to any rules.
I hold names to be means, not ends. Even if
Miss H. left care in turning up, I find that
Spirina alba is prior to *L. vesperalis*, which is
long known & so *Spirina* as opposed to *vesper*
I cannot bring myself to accept. The colorless name
alba - I suppose I may use *Spirina* *Sedida* L.
also *Spirina* *Cherleri* Duf. - *Arenaria* *Cherleri*, Reut.
See Gen Pl. i. 150. - Dad. *Jaegeri* & *Smitten* by its
should be *Jaegeri* because I first wrote it so.
to me that would be sheer privacy.

I think there are cases when it would be
right to give the author of the species name though
under another generic name that of that he put
it in - provided the such generic name on
entirely & anonymous. Thus Pl. did not observe
that *aurum* Cap is older than *Microstylis* (see
Thence H. Nat. Ind. III. 495) say *L. repleta* *folia*

Feb 19/84.

Dear Mary

Will you embrace your
Niece *notandifolia*, which both on *aurum* and
your *Spirina* *Spirina* is entirely diff.
from the true *Bermudiana* - of which we
have for the first time ^{two} specimens from
Bermuda - so says Kennedy & after
receiving figures & specimens I think he
must be right. I have had lately to
reconsider the matter of attending the N. A.
meeting at Montreal, - having received a
formal pressing request on the part of the
Council of the A. P. that I should do so
if I could, as they were really in want of good
representation N. A. - of course this is putting
the offer invitation in high ground & I felt bound as
former President to accept with the proviso, that I would most
likely be obliged to withdraw at the last
moment; for that though I gladly subordinate
all other objections to the wishes of the Council,
urgent family ^{affairs} would probably offer
insuperable objections; & I urged their looking

but for some one else. Of course, I should like to
sympathize with Bentham's state: they may
him a number, who is about the outside
term of his life. These doctors give
to each. Of course, ~~but~~ I should like to request I
know of times how I could have ^{either} of them -
if they, or either of them, decess within a
few weeks before the date of meeting I
could ask for for I should ^{have} like this
affair to look after. My other objections per-
tains of: the chief is being away at Regg &
'and holiday - Hyacinth, ^{pass} that she will go if
I do. But I think she will find that
so easy. I am sure my going. I am thus kept
in perplexity which I was free from when I
remained with to go. - The silver lining to it
is the seeing you & Mrs. G. & I do feel
this is a deep pleasure & store. Of course it
is no use speculating on my long after journey,
that could only be some my poor invalid to be
released within the next few months. Symonds
sufferings increase with his sleepless nights &
he has not been out of the house since & Mrs.
telling us he has been almost confined to
apartments. We were obliged to get a nurse, as
Mrs. Symonds was too young up. The doctor says
it may be a liddle and or a lingering one. He
keeps his spirits marvellously up when he is

fearful fits of shivering are over - & they are daily.
Saying there he can ^{retain} nothing, so he does
not like wrapping himself.
Bentham's condition is deplorable; he was in bed
a fortnight ago that I was warned by the doctors
order, & Dr. Harford sent for, but he rallied
after the letter came; Of course he died with
wants to see him! - nor poor fellows does he
want to see any one else. He sits all day long
(when out of bed) in the drawing room by the
fire with a small table in front ^{of him} where I think
there is a little square pillow; he buries his
head in his hand & there is this pillow. I
see him once twice a week, but when I go
he won't raise his head or put out his
hand to shake mine ^{both are joined to the pillow;} he says nothing; hardly
ask for any one & I go as I came after
thrusting my hand into his. A more
melancholy spectacle you never beheld. He
won't see my wife or any one but Mr. F. Galton
Oliver & myself. He was better when both I
was here & able to creep the room with his
stick only. His bed is in the drawing room
He reads a very little indeed, but would be
glad to. - By the way he told me last time
I was there that he had consented to see Mrs.
Galton, but I doubt if he will. Indeed he does not
always see me.
His mind is no worse, but almost confined to her

De. Moor, VII. 181 (*Microtyruchus*).^{*} - I am sorry
that with species of *Leptos* described under
Gymnastrus which unhappy Bealton
did not observe was posterior to
Leptos. - By the way some species of
Leptos have 2 distinct subals.

By the way Baker's genus *Carapylaudra*, (is a very
good one, Bealton, S.P. III. 772 incautiously referred
it to *Eupistia*, mistaking Baker's mistake &
deciding the species as *Peltata*, whereas it is
3-partite as was figured by Baker, & totally
different from the true *Peltata* species of *Eupistia*.

There will be a seminar for the Glasgow
Chair, the Dupont Ward, now of Bristol College
Manchester. who did the College discuss
McNab's saying last May 17 the College would
have been at my price. Murray of the
Univ. Mus. is Harbidge's candidate because he
is working out the Salween clerical for him,
& thereby has some office influence. I
doubt if any of them would make a
really great Professor.

I have had a little ^{some} *Leucobas* & cold
letting & been *Leucobas* but are better.

Antony to me say I have found her
2 novels charming, & most interesting.

Yours
W. Allen

B. Boller

x I was sorry to the following passage in Dr. ~~and~~ from which the plant under is very common. (*Salicaria*)

invention as much of a compliment - It is
just 40 years (from 1855) since I went, at
the request of the Professor to give Graham's
course - which I did gratefully - & I
stood for the chair with the strong backing
of the Principals & Professors. - so if they
wanted to better me they might have
done it earlier & during Balfour's life.
I did not wait to put me in a patch of
you! for this is the number to be published
in L.S. at the tricentenary. However I should
have done but for the greater attractions of
the chair here.

I am still very busy with the new Green
Garden-Grange, ²⁰ East of British Place &
Robt May, which is an awful drag, but pay.
I have not touched it yet. here, for
months. Committee of donors: London
& Cambridge correspondence still cut up
& dead of my time.

With love to Mary

Love always

W. H. R. R.

March 19, 14

My dear Mary

Thank you much for the
two most interesting little plants -
you enclosed & you back. I send
herewith - please return them to
the Secretary.

You are altogether too liberal
in regard to the young plants. But
I submit to it. with thanks.

There is no particular botanical
news. Balfour has now been
accepted for the next chair; the
candidates for it were Mr. Ward
& Mr. Collier, who were sent
out to the University of the
University of Glasgow, & J. Murray
of the North. I don't think
that any of them can hold a

small as Maitlands & their families
in the Chair. Only trouble
that we shall (I hope) have
been to see 6 Maitlands in that
Chair! We have Mr. Ward, as having
a "lie" on us -

I forget whether I told you that
I used a journal, received from the Council
of the R. A. & G. ^{to Montreal} as a V. P. - This is
course I would much prefer, & have
accepted conditionally as family
affair. i.e. my father & I have
Kewthorn's states of health. The
journal has taken to Chloral as the
only means of checking its alarming
episodes, & it does so effectively, & gives
him great comfort. - As yet it has
produced no bad symptoms, but
doublets with the drug "the Camels"
amazing. We stick down to a
sandy & crumbly. Kewthorn is
divided strength, but won't own it.
✓ is a tactician & aware to be engaged
in interested work. He won't even so to

for Kewthorn! He is so absorbed in his own
feeling of weakness - he still reads the
papers & German text. His maids tell me
that he sits about a driver in the
weather boots for he can't better & can
walk except the room & has been

been down stairs.
Harriet has been reported in better better
for a fortnight. I was her walking & could
not see much difference. The pointing
her finger was not revealed with great
& she cannot walk at all. It looks as
if good, whatever that may be, was a
the better of her illness. I see letters
of taking her to Bathmore when her
strength & the weather permits of it.

The tercentenary of the Columbus is
later a grand affair, I was invited to
& to disclose L.H.D. but as it comes in
the very month of Easter, when we hope
to go & see Bessie & Grace in Paris & later
than a little trip, I have declined.
All the same as, if we go to Montreal,
I should not ^{otherwise} see the children for a
week or so. Now do I take the Columbus

We shall go to Paris for a few
days at least to the Grand & Regie
who are sitting on a bit of a web. &
very happy.

March 29/84

Glad to hear you are so lively.

By the way do mention ^{the water & co.} membership of
Shree - it is such a bore. Just try
to send the paper of a person in
Watson's stringing, & see how you
let to the end with children & you.

This time - beyond custom & number
there is a great webbed one for those
working at. Comparison of flowers -
it looks like a book to look at
& you find nothing but growth & life
for those accustomed to the growth of
the mind in webbed.

Love all of you

P.S. 29th Chas. Darwin
£25 - just received
you are too liberal - but it is most welcome
It would delight me to get a letter from
you - send love to my mother & my father
in the long manner. G. Darwin (at home)
Miss De la Haye of Philadelphia, young, pretty, - much
rejoicing also present. Mrs. D. very kind

My dear Greg,
Thanks for yours & the notes
on Part XI of H. B. L. - I acknowledge
very much - I was enough (Clarke was
careful as to senders, but I was doing
so in overlooking them & the prop.
I think. Remember 2 days ago, I thought
of in his right mind! He actually
told me, smiled at me once &
thanked me for giving L. de Paris!!!
He had been twice out for a drive
for an hour. This is probably the
first time since his illness began
that he has been - well what shall
I say - "pleasant" is perhaps the
best word to be used. Yet odd
enough he never asked for Harriet -
or my one. The poor thing is
perhaps a trifle better - but I see

no real change. The humules are
terribly swollen & pinched, & the
white swellings of the phalanges are
inscribable to ^{show how treated for years.} ~~harm~~. The dysphagia
is appalling, distal the neuralgia,
& internal pains. The state shows
an infection. It is always recurrent
I wish to take to Eastbourne. When
the weather & her strength admits of
it.

Oliver reports today that he
has sent off the manuscript of JG,
all but Epistles, 1074 spp.

We have despatched Mr. Munro
to Kilmarnock, so that business is
far off my hands, ^{for the present.} I am glad to say.

It has been an incubus for 2 years.
He is young, active, a good writer,
sketches well, & is up to collecting more
on life but is not at all what we could have wished.

I had hoped that King would have
sent a collector for Cal. B. G. 2-
join the school; but he could not
manage it.

I have just finished the new edn.
of the Green Guide (p. map) with a
very revised of the Arboretum contents.
It has been a worrying job. To say
enough & not too much - i.e. to
interest & not bore people.

I cannot remember when I saw
a note to the effect that *Viole arenaria*
should be compared with *H. S. Protomastix*
but I took a note of it at the time
to refer to you, as it surprised me.
no doubt *Protomastix* was meant,
as you suppose.

Yes *My Macguyter* is awful, but I
could not resist a better - 'Which
were Lincoln's a Walpole's power of
christening - They were unswayed. Also
Solander.' Which was very good at it.
Hebrews & Latin I had much to
make later & the beautiful pictures
have you & done what you see!

Hotel St. Roman
Rue St. Roch
Paris April 18/44

Dear George, I have not much to say though
writing from a house which sets us
thinking of you & dear Mrs. Joy continually.
We have been just a week here &
leaving in 3 days, the children's belongings
being there over, & indeed graves were
over yesterday, as she had but a week.
Her time has been wholly occupied with
them - light sewing - & once we went
to the Jardin de Plantes, but I talked
on so much. I however met Mr. Courcier
the gardener to day, who knew me. I
did not recognize him. I have not
now a friend in the place. I have outlived
Chenille, Joffre, Mabel, Decissie, Mougues,
Sparks, Deville, Widdell, Janderhard,
Valenciennes, Raoul, Ch. Gay, Richard, Massin,
as I think, ^{but the 2 last} attached to the Jardin at one
time. Besides Delaport, J. Joy, Webb, Montagne,
Moy St. Vincent, Jimbert, Noé. & a lot more
who in 1845 formed a very pleasant coterie
spending the evenings & one another
from night after night. All this is long as

changed, viz. must I suppose through the
want of any such head L. Scutellin
societies were Delapert; H. Elder
Pompeii; Jaubert & some others who
entertained weekly. Paris too, like London
has become too vast for much reunion of
clashes.

as "bohemians" in style - she has lately
returned from Madras, Zanzibar & a long
journey to Portugal, with which she was
delighted.

The Home Society (Widdowson) have got into a
mess by appointing MacNab to the Glasgow
Chair before the vacancy was announced! ~~but~~
other candidates brought forward - & this without
consulting the University or any competent
authority. The Glasgow Faculty are furious,
& amongst themselves holding both to bad &
Glasgow, & to MacNab - making the South!
Of course the appointment of MacNab is invalid.
The whole thing is a disgusting job - a sop to
the rich who I believe want to get rid of
MacNab. We at New Green Ward (now at
Marmhead) for the Chair, but there is really
no good candidate. MacNab has disappointed
expectations - he is a wretched lecturer &
worse behaviour. & not the sort of man for
a first class Professor.

We find some fresh hint to Mrs Darwin that she
at Cambridge - she has a nice house & a few acres
round it, with a beautiful & good deal of
down! - Frank was building a number
yards or so on one side of his mother
& Morrell as near as the other side.

George who is as you know going to marry
Miss Webb of Philadelphia is despatching

May 24/84

THE CAMP,

SUNNINGDALE.

Dear Gray, I have yours of 18th & heartily
congratulate you on the completion of the
Lampbrushes - a great work. I hope you will
keep your holiday & Mrs. Gray too, who may
write heartily for her much welcome letter
to me.

Wentham is off to Northbrook! - he was
most worried again for a fortnight before,
but determined to go, though Elizabeth was
against it & I thought him quite right.
Nevertheless he has written me a few
lines telling me that he has the going
pretty well, & so I hope the part that the
change will benefit him. I could not
make out whether he intends to come
back or not: he thanked me before he
went for what he considered my attention
to him during his illness, & which he had
sent a message to my wife, for she feels
greatly hurt by his indifference to her after
all she has done for him & his wife. He
told her of his request too: - he has steadily
refused to see her ever since he left home
though he saw Mrs. Garton after & Mrs.
Lytle too: & had agreed to come to us while
his home was repairing - well, it is worth

it would be called insupportable. I shall
write to him peris di'only - as I visited him,
for I believe he has a regard for me. & I
am sure I have for him, & I shall miss
my visits to him very much, such as they
often were.

I have been grinding away at the
British Flora like a mill. I write, with spells,
at the new Garden Guide, & Bot. Mag.
which gets more & more difficult, as
naturalist literature dilates. Miss Smith
is greatly improved in her drawing. I say
her name as Fitch was laid, or rather
more, & she is off on her work, working at
the Herb. as for any one, & living by herself.
or rather boardling. She makes good things of it.
Harriet is better & worse. Just now she
suffers from severe prostration - she has
however got out a little in a Ketch chair
more than once. She is comforted by
hearing that her great aunt, ^{surviving} Mary, is
well, who is now almost 70,
& suffered in the same way with sorrowing
fits &c. - she has however been a sad
invalid all her life. Harriet still hopes
to get to Eastbourne, but neither the
weather nor her strength admit of it
yet.

Symonds continues here & is so far greatly

impressed that the downward progress is
very slow. The Channel is classed 50 ft. continues
to open better here wonderfully, checking the
shoals - but he has bad painting jobs
at times. He supposes this place thoroughly.

I have carefully read your note about
"varieties." I still think the best plan is
to make a preliminary - the arguments for
& con are perfectly balanced, & I therefore
follow the simplest plan that secures
uniformity. You do not state the precise
distinction to & from the plant is that it may
turn up which should stand between
& & p.

I am getting up a list of our Arborescences
for the week - Mrs. Norton; it is
now a very fine collection. I wish that
Lynceus had seen it.

Miss North is back, & has brought a
much more to her gallery & it takes &
Dyck's paintings - which are however far
inferior to her earlier ones. She feels
her previous exposure too. & has definitely
given up all idea of another trip to
Paris. - (for the present I suppose!) But
indeed she looks much worn & weary,
& is in fact "used up" as artist & model.
I met Miss Nicholson last night, who

to consider & the type - then it must agree
with the genus, whether you do with the
other var. -! - To come such
any I am for sitting mid of

& I altogether. Some authors I think
use them as you would 1, 2, 3, merely
in numbering paragraphs. I do not
know what idea Linnaeus attached to
the use of the Greek letters. - When ~~he~~
begins the var. with B. it is clear I
suppose, that ~~he~~ ^{he} did not think the genus
went into varieties, but that ~~he~~ ^{he} had
a type, ^{in his eye} in which case the varietal
characters should differ from the
typical, & prevent I do think.

You say Linnaeus introduced the practice
of d, B, v. but you do not observe that
he was most inconsistent in his use
of it. cf. Sp. Plank. where on page
130 you have Helleborus viridis followed by
B, & a note has Myosotis scorpioides
with an d arvensis & B. palustris p.
142. he calls his type (Prun. Seris)
officinalis (without an d) & follows it by
B elata & p. accutis - And on p. 143

in his P. auricula, followed by B - S
without names at all; ~~and~~ p. 654 he
has Dentaria pterisfolia followed by
names d, B, v. - Then on 6 - his
terminations he has ³⁴⁷ Epilob. angustifolius,
reticulatus - which are certainly accepted
as misprints - p. 85: he has Rondeletia
disticha B. disticha arvensis. I find no
notions about Vars. (as about genus &.) in his
address to the reader, & I suppose that he
did not regard them as varieties at all.
- What would the old boy have said to
subspecies? -

You "commend the Editors during remarks"
to make the varietal names: in cases
of, - yet you argue against it if I rightly
understand you.

Logically when we take a neutral simpler
name for a genus, we should make the
~~the~~ ^{genus} neutral too, Thymus serpyllifolius!!!
Linnaeus would I suppose make the var B,
maritima (T. serpyllifolius B. vulgaris?) under
Erythraea (p. 706) he has E. Cerdillo clavata
which is neutral, followed by occidentalis
& orientalis; & Citrus Aurantium B sinensis
p. grandis B. thunbergii he has
p. 479 Pyrus communis B foliata, & poma
pyram & favosum. followed by

pitious care, for in her brief intervals this
daughter is quite charming, & very attractive too - so
lady-like, utterly unlike her sister - she has
been an excellent daughter when home - The
doctor thinks a change of the water is
impending.

underlying.
I am drawn into Euphrasian Pines.
I had begun a list of these as cultivated
for the ^{new} Report & arranged them
according to E.S. system, but when I took to
verifying his characters I failed altogether,
as regard lines lateres & subterminal & as to
canals bore decorations & ~~offspiral~~ ^{peripheral}. Then
too I cannot agree to putting Geraeoloma &
Perognathus into Holothuridae; & to me it
appears that his group Ambrorides (which
should include Balpouriana) is quite as
distinct from Sext. Pinaster as is Sext. Stokes.
Then together with his Geraeoloma &
Chikahuma I suspect but have not yet
beamed) form a very distinct section
differing from Pinaster in the loosely
indicated long & always deciduous &
even caducous scales of the leaf-sheath, so
different from the tight ^{pruinose} membrane &
persistent sheath of the Pinaster suber.

The characters described in the
strengthening calls are very hard to find
to catch in the species where they are very.

Aug 7/84

Dear Gray A thousand thanks for
your long & kind letter - I shall take the
various matters up the first leisure,
meanwhile I am overwhelmed with work,
for Dec is laid up at Eastbourne with
enlarged liver, I feel only congested, &
now I write as at Harrogate where his
wife is I fear dying. So I write chiefly
to tell you that I have seen Newman,
back again at Wotton Place. & as ever
in love. I sat nearly 3/4 of an hour
with him but more as a dumb waiter
than any thing else, for he has no
interest in any person or thing but
his own ailments - & does not even ask for
his old friends or my family. He is
much emaciated, very feeble, & his feet
are swollen & good deal - He sits on a sofa
with a small table before him, on which
he places ^{now} 2 small pillows & leans forward

burying his forehead in them: - so in
leaves the dog -

Last week I was in Edinburgh for Monday
night to Saturday, ~~the~~ with my wife.
We stayed with Prof. Wilson (Agriculture)
who is Sec. to the College. My only friend there
now, but J. A. Henry, who is 84 &
hardly read, knowing no body. I was
extremely busy with the Society for the Exhibition
in Chairman of my jury. - The Exhibition is "a
great shakes" - but contains some
very fine exhibits, particularly Japan,
which is really marvellous, India; &
for a scientific illustration of seeds & fruits &
Kilmarnock &c. is beyond praise.

I saw a little of Bakewell, who goes on making
a few spirited observations, lately on
certain most curious (land) in the
interstices of the ridges of the peninsula
of Northampton, & what no doubt secrets
the honey which I observed in the persistence,

but did not follow up as I should have.
I found the Garden & party improved
housekeeper. (My home & wife were
in Edinburgh, & I had from Aberdeen, &
young Balfour, ^{was} for a day at the Exhibition.

Of course my sister & her affairs occupied
much of my time. She has been even more
unhappily treated than I supposed, & with
I hope more trust implicitly to me & her
sisters. She is most comfortably lodged
with 2 ladies who my wife had a long
talk with: - private, & who will try to be
present if we be children come to her
here; which is not now likely that they
have nothing to get! The infirmities she
is not yet called, & poor Maria can
only plead ignorance & fear of her & her
for using it - & pleading herself to secrecy too,
which she ^{is} ~~is~~ under the feeling of the
being she had done. Poor thing she says, that
she now knows fear for the first time for
many years! - her joining have led her
such a life - I have arranged for her select
a - £500! - & put her daughter ^{Maria} under
employment with a medical man - that is -

very pronounced. Engelm. arm. basis etc gives no
insignificant hint of ^{variability} ~~exception~~ at all there
characters. So too his comments (p. 10) on the
position of the (ones, (subterminal & lateral) show
that the character is an inconsistent one. in several
series, ^{I am puzzled to understand it} of the species with "internal ducts"
I have only got australis in the Arboretum. It's
probably a good character.

Engelmann's paper on Pirica is such a splendid
one, such a model of careful observation &
lucid description, that I am ^{doubtless} disappointed
with it as a systematic attempt. I shall
however go on with the examination of ducts,
& strengthening cells as I have got - my hand
into making "durchsichtige" with the vapor.
I wish I had the patience to mount them
for future reference.

I am very glad to see your sensible
remarks on the abuse of cell dimensions in
making genera of Protophytes, rather it not being
to find the tables turned on us, & cells & internal
tissues taken for diagnostic characters in Phycomycetes
as it is with Engelm., Pirica with
Engelmann, & now Cyphocarpus with
C.M. Clarke. - ²⁴25 of his paper is
from Levi. Soc. xxi. - I wonder what his
"punctate warts" are with "a pore in the
center of the outermost cells through which the
darken body of the wart is seen"! Poor Clarke is
devoted to the compound microscope, through

which includes signs & wonders which according
to him are not uncommon & simple
however, or doublets or triplets in Cochrington
or Starbuck's cases. Nevertheless I dare say
there is a good deal in his observations, though
I believe him to be a very bad Examiner of
spirit mediums.

I have no news. Oliver is away on leave.

Ever affly yours

Aug 13. She & I arrived both back, he
better but not well - she troubled all of
the journey. My letter of long month for
months. Smith still nursing his wife
at Haverly. & she awfully ill.
Col. H. of Frederick House is gone to see
May Venter for James' muscle.

Paramecia - it is the Litrosform
(§ Paramecia) brachyptera, form - form
by Oct 2 1864 form form form
L. form form form form
- form form form form
form form form form
and it form form form form
and form form form form
it.

July 19, 1864

Dear Gray,

I write chiefly L- crispata
you on the sympt. form. which I
have handed over to R. form
form - for I do not see why
you should send form to form,
the form should be.

Thanks for note on form.

form -

Clark has put form
form into form. or
rather form form form form
Clark though I want the form - I
must turn it up.

Do you want a set of *Heliocharis*
these plants - please measure
soon -

I am going on with slicing some
leaves, & am convinced that
Bushman has made far too
much of the bundles. & that they do not include
considerable groups.

I am more than ever assured that
the *Cembroides* etc, are more akin
to *Strobilifera* than to *Pandanus* -

P. bicolor & *Chiriquiana*, ? *lateisquamis*
? *strobiliformis*, & *aspera* etc, go
with the *Cembroides* etc, - ^{by the growth}

has also a geographical character, -
in Mexico & W. America.

I had a cutting ^{growth} of this when we were
in Utah - I found monophylla.

I have no good news. John is very
sore & out of bed, & poor
Smith is knocked up with his
wife's sufferings - the case is now
promised (ance of the letter &
the poor thing suffers justly.

I think that she cannot last long.
I hope she will.

Can you refer me to descriptions
or send me some of *P. lateisquamis*
& *strobiliformis*. Bushman is the
author of them, but has not
taken them up in his revision
nor has he his *reflexa*, which is
a *strobilifera*.

See *My*
W. M. M.

P.S. I have been very
kind to find out *Monophylla*

Sept. 10/84

My dear Gray,

Our old friend Brewster
passed away at 1.30 to-day quite
quietly & ^{on the whole} very unexpectedly, for he
had been, for him, perfectly well
till last night. - His doctor had
not anticipated any change except
through bronchitis, & some indigestion
in connection with his weakness.

He has left all directions for his
funeral, for which no one is to
be invited but Olive, Dr. Leidy
& myself. The bulk of his money
(£5000) goes to Madam Walker.
£2000 to Sir R. Myers, £1000 to
Linnæus, £1000 to R.S. Scientific
Relief fund, £500 to self, 250 each

to John Oliver & Smith, £200 to
Messrs Smith: an amount of £20 to
Elizabeth & £50 to each of
an other (I presume). The Furniture
books, plate, household utensils &
to me, so also copyright & profits
of his publications. The rest to
John Oliver & self to be so handled
as to be a memorial of history ^{perhaps to} be a book in
I presume on publishing for the
How much that will be the ^{document} ~~cost~~
I cannot say, it may be £1000 or
much more, I should think the
letter. The above were ^{contained in a paper} ~~sent to me~~ for
at directed to myself.
He sent for me a few hours
before he died & I went without
delay, but he had lost consciousness
when I arrived & died $\frac{3}{4}$ of an

hour afterwards.

I have no time for more
having many letters to write &
much to do.

Dear Sir,

R. B. Hooker.

- After remarks it is now proposed to believe
Balfour is sharing it as by far the best
of his ~~best~~ ^{best} than 2 (two) - he has just got
a baby however, which may count. Rob.
had 0 last year. F. Darwin 40. This is of
course Joseph, but I believe correct. The
centre F.D. has just had a still-born
baby.

Rever is at me to bring out a new edn of
Mendel's Mithril. I really do not see
how I can do more than reprint with a
very few additions.

Well enough I neglected the Mithril
history Mendel's life is the history for
nature, but that I know. I should have
done for R.S. or L.S. or both. I have
checked Oliver with the R.S. one, of which
he has sent me a sketch, to which I
must add largely.

Now as to his work, we have taken
counsel of a first rate (Chancery) barrister,
& the result is that the work is worthless
as regards the clearing of all or any part
of the residue arising from the sale of
estate & house property, to the payment
of legacies to the R.S., L.S. & to the trustees
for Botanical purposes. All this (probably
£12000) goes to Madame Wether as
next of kin. As however the personal
property is some £17000 then with her

Nov. 13/84

My dear Gray

Your welcome letter of 2^d is to
hand, many thanks for it. ^{concerns}
My best news is that the R.S. has voted
one of the Royal Medals to Oliver - to his great
astonishment & I was going to say Chagrin,
for you know what measure of man he is.
Not that he can have been quite un-
prepared - for his name has been down
on the list, ^{of proposed} for some years, & as this list is
read annually in Council, Oliver heard it
when he sat there. When he did hear
it (3 years ago) he let up & indignantly
reprobated the idea that he had had
any thing to do with it! adding that no one
had ever told him of it, & you can
imagine how deeply hurt - & how
wickedly - As it is, it is mainly I see
doing, & a good job too.

Poor Oliver is badly & obliged to relinquish
work & has retired determined to retire
when he reaches 60 in my next. He will
be entitled to a pension of over £1000.
He was sent off a very ³ ^{by} ^{weeks} ago &
went to Venice, where he retired last

week for the marriage of one of his daughters
to a young Englishman last Saturday when
I found him looking somewhat ill &
white. He left again with his wife on
Tuesday for Venice, the last coast of Italy
& Sicily for 4 months. I am very uneasy,
about him for I do love him dearly &
have the highest esteem for his character
as a man a father & a friend; I should
dearly like to see him & his family being
crippled with the nervous rheumatism which
he has got in our little H. Club. I have
agreed to go on the Council N.S. during his
absence, at his earnest desire - so that
in a few days may reform & make. Heppel
is a very strong Council, with Sharkey, ^{Darwin} G. Darwin,
Moseley, Sylvester, the Astronomer Royal, &c.
I am as nervous about the place
at interior, & if the work comes to the
worst Stokes will I believe accept the
Presidency.

My fair collectors have come from
Kishineff, for up to 7000 ft. but there
is no remarkable novelties amongst
them. On the other hand Thomson has
brought a small collection from the
Mussai Highlands with the Abyssinian
Juniper forming forest trees 100 ft high,

mixed with *Podocarpus*, & the *Calocedrus*
Capensis!

I have just taken through Sabazia for
Flora-Vict. Index. I wish dear H. had not
made so many changes & had not tampered
with *Macrohyssopus* in *Taraxacum* which appear to
me quite absurd. Nevertheless his Sabazia
is a marvellous work & I think that
concerning the ^{former} state of the world his
Master-piece. I do not know to separate
Nepete & *Dracocephalus* as he has them.

I have done the new Ed. of the Garden &
Arboretum Guide at last; it has cost me
more worry than any thing I ever did. Of
course I do sometimes shake in a wholly
different arrangement. I am now at
planting in the H. K. I. - heaping manure
at the greenhouse - No fish! & will soon.

I hope that King will supply me with
Cuscuta & *Figs*.

DeCandolle has translated my article on
Neritium & I hope sent up a copy, as
he has bought the Portmann which
I neglected, as I did the great part of
the Herbarium of 30000 species which he
made up for Cambridge out of the Lermann
Herb. & his own duplicates & which he sent
down written up & arranged & sent away
- (to be reviewed by insects under Robt. Carr!)

Nov 15 1924

at the disposal of Gen. Plank:

There was a serious defect in his working, - a disinclination to tackle a difficulty that arose from want of materials, - he could not interest himself in matters for instance & the Cambridge ones accordingly scumbled the woods until he got the Museum materials, worked until he came to Oxford, he ^{too much} ~~difficultly~~ neglected garden health.

He was not fond of laborious dissections - he would do any number of short, superficial analyses, but undertake no laborious single investigation.

I think something may be got from a glance at his L.S. addresses.

The ... of but no money yet. The
absolute proof is not at all: nor
the ground rents in Westminster. & other
things I would care. - As far as I can see
that. What is, have £20,000!
- Hunt of Keenham! I hope the Keenham
may get £6000 but I have little idea
as yet.

Charles has bought a picture of
'The Centurion' of £400 & spent them
2 days ago. We shall be here for
2 weeks & then go to Paris. Where
I shall go on & down to New.

Wally

B. Hooker.

June 6/85.

Dear Grey

The Mimuli go on Monday
with a note to Wedley informing him
of their preciousness & necessity of
immediate delivery. I hope they
may not prove ^{to you} as bad as Torresia
was to me, as if so you may
wish that they go to reward the
Kubarni of the Mermaid & Victoria.
There are certain seasons of which
the few types & several specimens
you have the better you will do
them.

The Loring's meeting ... prob-
ably time of Myer's ...
yesterday - we have a very day
of 500 people, who seemed to
be enjoying themselves very much. Loring has

picture. The draconari is a purple
-trunk quail white & back looking
like clouds of chalk! - She has ^{on her face} ~~her~~
her right hand half of a pale ^{on her face} ~~face~~
very poor, but will be out & about -
However she wrote yesterday that she
really was going to visit in the country
near Dorking. Miss Sullivan is
back from Algeria, looking well.

The Darwin Station is first rate -
a copy of Leonard Dr. sitting photograph.

In affⁿ

J. Hooker

I am at my wits end what to do about the
Planch. I must reprint Part I. which will
cost £175.

June 18/85

Dear George

I have got a copy of the
50 Mooker, if not I can give
you one of Ed 2. - which has been
presented to me; - we have it in
the Lib. - but the numbering of the
pages does not exactly tally with Ed 1. (which we
have not). This is of no consequence,
as the plates are identical & come
near together. Please draw down
of Part card, as if you do not want it
I shall offer it to King.

A Mr Jones with letter of introd =
from Sargent, called yesterday, bringing

Photo. of the bronze medallion -
Hyacinth calls it - I
think it is very like, but
the beard looks as if you had
been at the hair dresser or barber,
& there is a strained look about the
eyes. - the beard is very bad, believed
Especially. it indicates a man of
unusual obesity! but it also is
keeping with the head.

I am flooding away at St. Paul.
Fred & have just done devantries.

Hyacinth is overwhelmed with visitors
& parties to see - Charles's interests,
who comes to us to day. I hope I
told you that he has bought what
we have in a nice position in
[Lincolnshire] he married in September

Mr. Loring has been twice here, once
with Miss L^o & L^o Gerdie but he
later alone to lunch. We asked
them to dinner, but they could not
come.

I shall be heartily glad when this
month & the first week of next
in over - for what with works, &
Society, & Senate, & Councils, &
committees, I am never at home,
& long for the /anaph.

Hyacinth - send her love & with
write. - Thank Mr. Gray for the baby's
cloak which is the very thing we
wanted & had not been able to get.
["These things is women" - The idea that
the England could not supply a baby's
cloak!]
Miss North has been to Child.

price of the work ~~considerably~~ & to my
eye ^{improving} its book appearance. What
disturbs me most is the depth of study I am
sometimes in for knowing that there are
men. The book does warrant certain
opinion that H. was ~~stupidly~~ ^{stupidly} opposed
to going - especially ~~positive~~ ^a notice of way
much distinct with these & these species
that he would have without listening
to arguments or the wishes of his readers.

In such cases I visit even the necessary
matter in brackets at the end of the
~~species description~~ ^{the} habitats - In one subject
I have to make great alterations throughout
& that is the British habitats & after the
geographical range of the species. There he
did not give sufficient attention to &
has not I think revised since the first
edition - I have put nothing but
hostile criticism - Mention here on.

Left me the copy right & as I know
he would not ~~do~~ ^{do} edit a new
edition I have no choice, but to do
as he would wish, it done.

Charles is disappointed with
Circaster & married early in
September. Reggie has just

THE CAMP,
SUNNINGDALE.

July 1875.

My dear Gray

I am much obliged for the
cheque £8.5. & safely received.
The Gay Rubb. is now reprinted,
the remainder of the duplicates,
an enormous mass, - being all
sent to Maximovitz.

I quite agree, that the acquisitions
^{if possible} should be put into their places
weekly, but the difficulty is to
set it ~~for~~ ^{as} carefully done. I am
constantly bothered by the isolation
way that the acquisitions are
intercalated, & often long to push
them all in myself. - You know
what a hash even dear good Baker
can make. However, as our only
man who is both competent &
careful - & he is too carefully

& a very slow worker,
otherwise employed, such a job
looks as if it ought to be long enough
to any one who would look his
with-almost brain, but judging
from results it does not appear to
be so easy. Then too you must
remember the enormous area that
H. Hubbard occupies, & that you
would really be ^{revising} a year's
accumulation in an immeasurably

shorter time than you would by
doing them - &c.
The acceptance was very mistletoe.
You go the wrong way of the building.
Open the cabinet doors, hunt out
may be the letter & put it back ^{every way} ~~to~~
time instead of once!

My people have been trying to
persuade me & themselves that I am not
very well & have ordered me here, then
it really settling the matter with me
but I do enjoy this place amazingly, as

much as my father did Inverness. I
am being employed on the far from
congenial duty of revising Keuthams'
Handbook for a new edition. I daresay
the wife would know I proceed - well.
The first plan I want to avoid altering
the character of the book, or touching
the descriptive part except where I feel
sure he would wish it. He was
very fond of the book, perhaps proud of
it! & whatever its merits & demerits,
it stands as an integral portion of his
life's work, of a totally different
character from the rest. It has a
large sale, which proves its being
acceptable, but that would not
induce me to revise it. For which my
motivation is the feeling that he would
wish it to live on, & that I should
prolong its life. I would far rather
be at Indian Place. Whether it will
live is another matter. The publisher
is determined to adopt a different form
of paper - running H. names, Latin
through into the same line as the
descriptive, thus reducing the bulk.

taken his "Bachelors' Treasures"
stage in Paris. which is very good. for
a load of 18. -

We go to Mrs Darwin at Down
tomorrow for 6 days. - after 10 days
pretty continuous holiday there.

Dear Sir C- the Amsterdam
Hotel is inhibited & there is possibility
in Hamburg to see if he can
arrange for the purchase of Kichenbushes
British.

We have had nothing wonderful
in the Marlborough way lately. The
stopped French war has cut
off our Mesopotamian supplies, but
we get constant assurances from
Central Africa. In the other things
have not arrived yet. Nothing is

settled about the continuation of
the Indian Flax. I have asked for
3 more thick volumes. which
usually C. Hamilton calculates

should print it. Keene is intotable
about printing. The whole matter for
Vol XII. has been 6 months in hand!
There are still several sheets of

The Index to print. I have
just finished Lazarus a long
series, ^{but} not so difficult as
beheaded.

Yours affly Jⁿ

J. B. Hooker

Asa Gray Esq
Recd.

My dear Gray

I saw Dr. Alexander
to-day who much wished
to meet you, so I begged
him to come here at
any time tomorrow &
take his chance.

Ever yours

John Hooker

Thursday.

work, which should have had
better inquiries at least.

With best love to Mary &
kind regards to A. D. & Mother

My - In affecⁿ

R. B. Hooker.

THE CAMP,
SUNNINGDALE.

May 21/67

Dear Grey

I have yours of 15th &
hope that this will catch you at
Geneva. You have had I am
glad to know a good time in
S. Germany, & what is better, ~~discovered~~
a miserable one in Normandy; - for
any thing more disagreeable for
the season than the weather we
had ^{had} lately, it would not be
very to picture. It is still so cold
that I cannot do without both
the stove & my study fire.
Yesterday & day before it blew a
furious gale, & I never ^{in the Atlantic} ~~before~~ ^{before}
a more driving hail storm, than
we had yesterday. Today it is

bottom, - but cold & bluesy.
Sylvia has rallied considerably, but
is far too ill to be removed, & very
irritable. She was arranged for once
going down to stay to Mother, but
he has put us off, together with the
intention of himself coming back
here. All this is a terrible worry for
my wife - All was arranged for going
via Portsmouth & showing her the
History. Instead of it, R. & S. are going
to pull into an old Province & visit
Trudeau at his new house on the
top of Windhead, - returning a Monday.

For Mr. Fay's letter I'm - surprised
we may, so push you back about the
16th. I suppose. We do hope that
you will come here, when Mr. Fay
can get the sleep, for I think he has
a capital sleepstep.

The Society of Friends (Quakers) is
also new to me: I think it

is a pity to have made the change.
It is logical no doubt; but the thing
^{a L.L.D.}
is a matter of sentiment. He found
us "Honey" before it became its
name. I sincerely hope that they
will not abolish the D.C. & D.L. as
like Maunier's as Honey D.Sc., D.D.,
to have the L.L.D. or D.C. & D.L. was being
the same back with men of great
distinction of all classes: a very different
honour from each branch of merit
"padding its own canoe".

I have no news, which is always
good news. I am still hard at the
Indian Euphorbiaceae - which are
extremely difficult: Kunth has I
think overburdened some of the great
Greek as Phyllanthus, which has
no meaning as it stands in G. P. I
keep up Glochidion, with 60 Indian
species. I can't conceive why he kept
up Fluegia whilst lumping so many
others ^{from both genera} in Phyllanthus.. -
My last sent 24 fresh parts of his
Indo Malaya Dip. - my important

Symond has wonderfully walked & talked of
my 6-Norwalkater business. - I can hardly
believe it -

Yes, we are both well out of the Norwalk
Scheme, but I do not quite see it all;
if you & Mr Grey are nearly inclined for
it, in Aug. or Sept.?

You have indeed had a good
time in America - & better weather
than we have had here - when it is
doubtful at times for wind & cold -
The Snow lay on the railway bank as we
went to Ipswich on Saturday!; little
but enough to freeze us.

Let me know if I can do anything
I've been so anxious. - I hope we
also go to Canada. Fortin made a happy
offer - if the V.C. did not ask us; I seemed
to have walked rather far to him than to the
V.C. but he has not heard of it - it
with respect to entrance is our way to
the Danes. - with best regards
Very truly yours M
Kind regards to Miss Grey.

THE CAMP,
SUNNINGDALE.

May 27/87.

Mr Grey

Yours of 24th received yesterday.
- My name must come to the end (then)
from Mr. Price - I have answered
saying that you authorized me to
definitely give acceptance of the
honour if offered, & that I hoped
he would act accordingly; as
also that we would no doubt
accept an invitation to the
Balfours which had also been
offered to you - By a previous
communication with Price I
gathered that he & Balfour had
a working arrangement between them
that we should be their guests,
& that Price gave the "pass" to
Balfours in having the honor of your

Campbell, & Mr. Fry.

Balfour's letter to you I took the liberty of opening, not doubting but you would write me to do so, & as to some things you are certainly. - I have told Balfour that I have demands, & that I had no means to suppress but that Mr. Thompson would accept their invitation.

We go to the Process in the 21st. I have heard nothing more of Cambridge. I much say I am more desirous than you are at the Emancipation of the L.L.B. - I was at Graham's last Saturday & he would not believe it - But O yes, when I saw a Sunday, said it was true & all right! for he championed the abolition of the L.L.B. & giving the honorary letters of D.D., ~~D.D.~~ D.Sc. & V.V. In my mind

the whole significance of the thing vanishes, & I would not give it for the. I am all the more glad that you are to the D. C. L. Oxon, the praiseworthy a man can obtain, & to a foreign University so. However you must take the ^{authority} with you the deed; - H.D.Sc. is the best thing that ^{now} can be offered & you refusing it would vex them & do us good. This is a "limited belief"! You are too worn off than I, who was made L.L.D. of Edinburgh - and a year ago, after saying the considerable ^{of my standing} number of men, have held it, many of them years & years before, ^{me} & thus though I gratefully give Graham's degree of them 40 years before! & though I was & had been of your L.L.D. of Cambridge, Maynooth & Dublin, & D.C.L. of Oxford. "Side is life". None of these things called me as did the devoted content of the Treasury for my Naval services & its attempt to relegate me to the bottom of the list of Naval Appointments!

seen Salisbury?

Have you seen Ely? We
could stop there on our
way to Cambridge.

Now, dearest Mrs Gray,
there is one thing I trust
you & Dr Gray will do
that is make this Camp
your head quarters to make
^{up} to me for the loss I have
had in getting no trip with
you, & the uncertainty of
my being able to leave
England ^{in August or at all this year} is very great.

Do come to us,
Pamela & all
Why waste
your money
at hotels
when you are
THE CAMP,
UNNINGDALE.
longing to have
every minute
of you!
Mrs Gray
Yours lovingly
H. H.
June 5/81

It was so kind of
you to write to me.
I have enjoyed hearing
of your enjoyment.
Dr Gray has been
very good in writing
to us so often.

I now write particularly

to send you the
enclosed.

We have promised
Mrs Darwin to go to
her at Cambridge on
the 18th & more than
half promised for you,
as we hope so much
you will go to her with us!

Then on the 21st we
are all to go on to
Oxford.

Now what will you
& Dr Gray say to a little
plan of mine it is to go
to Salisbury from Oxford
on the 23rd - see
Stonehenge and return
here on the 25th.
I believe you have not

THE CAMP,
SUNNINGDALE.

June 4/87.

Dear George

I have no further
information from the Cambridge
authorities. but Mrs Darwin
writes that she hopes to arrange
for our all going to her for the
occasion. She says that the
day is the 21st. Foster said the
20th so I have written to him
to ask which is right - of the
20th, of which I have little
doubt, we must be down
I suppose on Saturday 18th.
If the 21st, we shall have on
that day to, hurry on to Oxford.

It is a pig that in candles and
be here by the 8th. When there is
both the Royal Socy. Lecky's Society,
& the R. Socy. on the same
evening! The letter in the
S. Kensington Museum, a lovely
light also lighted up. - We could
write well enough to go to
both. Mr. Guy knows that
there are lovely things at S. K.

At last I have sent off the
first sheets of my Enchiridion to
printer. I am in tears about
them. one has to do with the
materials. In green to green
like our materials there is the
right ones. As to the notes they
seem to me to be fishy but at
last. - I have a note that the

presence or absence of "obscure" might
be made more of.

Symonds has marvelously rallied,
but heart spasms & dropsy have
driven him back to Chelmsford, which
had for upward ^{up} 3 years kept both
at bay. - he had left it off for
a month or so.

To day we have mild weather
even with W. Wind - yesterday
I went to town in my Westcoat great
coat & in bitter N.E. Wind.

We still think a Normandy
exp. in August.

E. M. J.

B. Hooker

The sheets of your "Elements" are here.

Camp. October 25/87

Dear Gray

We were very glad to get your letter & to know that Mr Gray had a fine paper - we thought much of you. The news for Mr. Fairfield is very bad; young Symonds has had a relapse at Long, & was too ill to write. He was weakened by cough, & one lung is affected. It is awfully sad, but Mr Symonds keeps up hopes. & is cheerful, gardening & writing.

I have sent off by express to Kalfour. The packing took me 2 days. Mr. H. B. I., ^{which I presumed} then too I had lost all my former notes & description, together with a map of Antioch for H. B. I. - which I put somewhere before going to Normandy (into little basket? of mine)

Have you got yet. Mancus's Ampelodes I think it grows ^{ripe} ~~ripe~~, & doubt not also with the bunch just as the Fig grows (which were better) than. It is a very

hundred pieces of work. & the way in which
muddled the Andrei Belint's aphorisms the
pieces I have taken in matifying.
Now Andrei Belint's matifying is

The best of Andrei is discrepancy, &
remind me of Andrei Belint's discrepancy
from the Andrei Belint's discrepancy to Andrei Belint's discrepancy;
the Andrei Belint's discrepancy is discrepancy!

If this is the sort of work that will
be going to Andrei Belint's discrepancy we had better
start at once. This is "hot. Andrei Belint's discrepancy" work.

We are getting Andrei Belint's discrepancy in Andrei Belint's discrepancy,
which Andrei Belint's discrepancy things, Andrei Belint's discrepancy
might be a Andrei Belint's discrepancy with the Andrei Belint's discrepancy
because of a Andrei Belint's discrepancy! I do not see
however the Andrei Belint's discrepancy can be put into
these places. The whole time Andrei Belint's discrepancy
is Andrei Belint's discrepancy & Andrei Belint's discrepancy Andrei Belint's discrepancy
collections; & there are increasing Andrei Belint's discrepancy
after Andrei Belint's discrepancy the Andrei Belint's discrepancy. The Andrei Belint's discrepancy
of Andrei Belint's discrepancy Andrei Belint's discrepancy Andrei Belint's discrepancy Andrei Belint's discrepancy
is Andrei Belint's discrepancy too.

We got a Andrei Belint's discrepancy of Andrei Belint's discrepancy for Andrei Belint's discrepancy
wood; it was 240 things - more
than I had Andrei Belint's discrepancy - but not Andrei Belint's discrepancy.

I have no more news of any
kind - but can I hope better

for the winter - & that will be
going out. much of it.

With best love to Andrei Belint's discrepancy
he can do it.

Andrei Belint's discrepancy

Andrei Belint's discrepancy

THE CAMP,
SUNNINGDALE.

May 17/90

My dear Mrs Gray

The letter which I
posted long & day with myself
you & demands another apology.

I took it to Kew, & so fully
believed that I should find
there the answer to your question
about the names of the
artist & engraver of the Aitken
Portrait, that I had written
as if I had ^{received} them. Of course I
intended to add them to the
letter, but I must stick to
posting the letter ^{it} without
them - Worse still, when I was

to the Museum, L. take the
detail, ^{you want} in the copy hanging
there - I found it was a
proof before letters. I so had
no name at all on it, of
person, artist or engraver.

I ruffled my head & think
where the portrait appeared, &
with upon Hill's great folio
works in the sexual ^{of Linnæus} ~~parts~~ ^{works}, which
contains beautiful portraits of
of the middle of end of last century
may be ^{of the middle of last century} ~~of the middle of last century~~
This is a work of which we
complete copy was ever published.

Sure enough, "Aitken" portrait is
one of those that should be
in the works, for it is indeed;
but though we have two copies,

neither have it. Furthermore we
collected our copies with that
: the Brit. Mus. & neither
has that got the Aitken portrait!.

I shall try the Linnæan
Society & let you know the
result.

I feel awfully ashamed of
myself.

Probably there may be a copy
of the work at the Harvard Library.
I fear it is not ^{consultable} likely to be in the
Brit. Library at the Garden, for it
was very expensive, & scientifically
worthless. In chance & communication

You can appreciate
M. Hooker.

Mussey

Dear Gray

The debaters word is a
myth.

W

W. W. W. W.

The

J. D. Hooker

Dear S. J.

If you can please call i
on you pap i the morning.
I forgot to tell you that
Cary called yesterday.

My friend Smith was looking for me
 of your kin. When father & mother
 have been at England.
 I suggest house at night & a
 Chinese lot of land. Mother
 at night - look for Newman
 f. 3. 15. 0.
 Son. Plank - says it was built
 very - the late of Mr. Bar has
 the freight - I must write
 Day had a notice made
 look back a then will report on
 had a check - later. I do not think
 under have been (unlike): & please
 for Sunday May. I do not think
 brother have deposited notice under
 to his own satisfaction.

Can you tell me what their
 names are synonyms of or like to be.

Fraxinus

holycarpa

pennsylvanica

oxyphylla

pedunculata

Canadensis

Cinerea, Boiss.

negra

nana Pers.

Serratifolia

pellida, Boiss.

paniculata

Caroliniana Wang.

rupa, Boiss.

Rubra, Boiss.

opulus.

We have at them in the
 Arboretum, as ^{& several books} *Americana*!

better the good species of you
 & Chapman's Fl.

Do not trouble about this - write any
 names of scientific specimens of plants.

Ernst Engelmann's letters

I have to extract remarks on
Pines & fr. Herb. Vero.

1. I see no objection to keeping up Ab.
Engelmanni, though his personal &
regards it as alpine form of Menziesii.
2. No one supposed that Arnica
had any-thing to do with Magnolia.
(Not) know of). = comoda
3. As to finding subalpina & granulata
mixed - does that look like
true species? - is it not curious
that Jeffrey should also find
them mixed. or Shasta?!
ditto Utah!!

{ Engelmann must go to the
South himself & get the tangible
character.

4. He ^{speaks} ~~thinks~~ of Balsamifera being
a new species - He does not appreciate how
judiciously the names are, ~~they are~~ almost all gone
from the land you gave me at La Veta
& leave not a microscopic trace - ditto

in all the specimens in our Museum,
since I have had an opportunity of the
examination of the top of the obelisks all
trace of it. A very sharp observer
looking at the lines ^{in the Museum} will not
at first believe the aculeate
that is, - so utterly is all
trace obliterated.

We are rearranging the whole
Museum when finished I will
have a complete list made of
all American cones. we have

J. S. H. K.

Proy "hold out the slack" - my
notion of American civilization
warming muddy luncheon after
civilization & work it with the
taxodine. No doubt the Alps
has a latitudinal chair
invented not only southern
migration - but less (by its
own snow) but kept all
Europe North of the ice - then
were no warmer ^{cumies} ~~banks~~ for
^{southern migration}
northwest ^{to the south} ~~and the~~ ^{of the} ~~the~~ ^{the} ~~the~~

I find that copies of the Postcard
 distributed not to Mr Green &
 James but shall send out some
 more soon & there amongst them.
 I am assured of not sending out the
 "Collected" vol. but. I have not had
 opportunity by. I have the
 "Book" put up for you, & a copy of
 the "Hundred Years War" which
 I have also.

Include the amount for
the photographs - kindly
send me a receipted bill
that I may get the money
back - What else do I
owe you?

P.S. Yours of Nov 13 to hand

I quite thought that the
attention of H. Dr. to Sci. D.
was a blunder & it has
misled awfully the reading. I
need not say that it was not
my doing.

II. I found out the slip in
Samuel for Joazeiro too late.

III. I looked up Watson on
Gumpson & found that the
representation of Alphen in
subalpine March. The
Humboldt range was so poor
that it did not amount
to a Flora.

IV. What's meant by seed Pines
he was to this effect. That

not say as there are but
they must have had a
very ancestry of their Excess
which I allow for their spread
2 one specimen from each
to wait an area. - During which
this term we may suppose that
the climate was not materially
different from present. The
time is duration of specimen + 1/2
ancestry + time for distribution
or some such formula. -

I shall return Frederick
Engelmann's letter next.

You will find that I had forgotten
all you tell me is going of March
18 at the Eastern Western Review, for
my lecture - I having for the
popular discussion assigned myself
to ^{namely} ~~thus~~ I should say - ah that I
had written when you gave paper & pgs
& address; going carefully over all
with you (Hare & Terrell Watson -
It was only later that I stumbled on
the case of the "Pseudo" "pro-Social"
audition of it & I was completely
the returning lampish Austria from
a. I would have consulted you about
it - I still think you make
too much of difference & crinoid
of E & W. coast. it is not more
different than crinoid - ^{movable} of East &
^{was present?} West Europe, & W. Asia is - this
can be such fundamental difference
of Europe & Asia & W. America.
of the British & America both have
and not been ~~little~~ ^{little} ~~delivered~~ out of the

was the former I can could not
have ~~made~~ ^{used} so much of the same way
in the M. Court. After all I expect
that the climates of Japan & California
are more alike than that of Japan
& the U. States.

Aug 5 1895

Young Schimper is said to be
behav'g extraordinary clever & hard-working.
He has been put in charge of the
Museum at Strasburg, which is
under the Mayor & ^{German} Council, - the
University tried to get it, & the
Professors have sent young Schimper
because he took the best. It
appears that the Museum was old
Schimper's chief employment; the
Professors were quite another thing
& very small.

Young S. has some money & is
well content to live on his fat
for a year in Munich or Jena
if he only had a prospect.

For all I hear of those who have
studied at Strasburg he is a very
morning, steady, & dependable
young man for a Professor's work.
His whole correspondence about his
father Barbara was singularly
pleasant, honorable & generous.

I have worried Haver into
letting up a large distribution
of the var. collections of
duplicates, in the Museum.
You will be in time for the
Scramble! -

Walter to build there too in New been.
Mr Darwin was very well but not strong.
Frank has made no further progress with
the life than copying letters. I am now ^{reading} studying
his father's account of his own early days.
What is most interesting to me & worth the
trouble to stress - it tells you part of the
life. - the best part I fancy, though a chapter
or two will hold it all.

George has a Paper published of Astronomy with
I see a great deal of it in the paper! His purely
mathematical Astronomy is in 1 the Paris
Astronomy with ^{the} stars; - like modern
History - brilliant & the plants & Frank
has a copy of 40 in photographic History -
no better is presented History - Washington
has no students at all! However there is
large workshop for the manufacture of
scientific instruments for experimental purposes,
which he has a partner; it just pays
the way. Survey the Aptology men is quoted
at Franklin, near ~~Franklin~~ ^{Franklin} (the self-collect)
not far from this. We shall go & see him
when we settle for the summer here.
Meanwhile our house at New is being
painted & repaired so we are stuck out,
& go ~~down~~ down down for the night & the
Sunday & enjoy the scene amazingly.

Mrs Darwin will keep Daisy, say there
next month & being a keeper of
relations to stay with her.

Dor has been wonderfully well
all the winter is, tempering her,
but of sorts now, he hardly knows from
what. I am always in dread of this or
Smith's breaking down.

My dear friend he has & bid me
say that she will visit soon to Mrs Fox
Joy is all well & as fond as ever of
Gardening. He speaks French better than
I can now. but is very dull at arithmetic.
He can learn any amount of poetry.

Very truly
J. P. Hooker.